

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E51B0002 Equip. Class 21. Tanks and Heat Exchangers

Equipment Description RCIC Lube Oil Cooler

Location: Bldg. AX Floor El. 574

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
X	

Mounted rigidly on pump skid. Pump skid anchored with 6 - 1" diam anchor bolts. Motor anchored with 4 - 1 1/2" diam anchors.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
X			

Anchorage configuration confirmed with Drawing 25-0007-00002.

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E51B0002 Equip. Class 21. Tanks and Heat Exchangers

Equipment Description RCIC Lube Oil Cooler

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E51B0002 Equip. Class 21. Tanks and Heat Exchangers

Equipment Description RCIC Lube Oil Cooler

Other supporting or relevant documents and photos (if any):



File Name: 2-61-2-4-18.jpeg
Description: Geenral view of component



File Name: 2-62-2-4-18.jpeg
Description: General view of component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E51B0002 Equip. Class 21. Tanks and Heat Exchangers

Equipment Description RCIC Lube Oil Cooler



File Name: 2-63-2-4-18.jpeg
Description: View of anchorage configuration



File Name: 2-64-2-4-18.jpeg
Description: View of component concrete base

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E51F0045 Equip. Class 8A. Motor-Operated Valves

Equipment Description Motor Valve

Location: Bldg. AX Floor El. 574

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

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Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
	X

Valve mounted on main line at 45deg from horiz. Pipe line is well supported with supports before and after valve.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
			X

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
			X

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
			X

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E51F0045 Equip. Class 8A. Motor-Operated Valves

Equipment Description Motor Valve

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

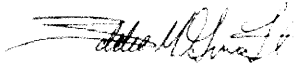
Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E51F0045 Equip. Class 8A. Motor-Operated Valves

Equipment Description Motor Valve

Other supporting or relevant documents and photos (if any):



File Name: 2-61-1-4-18.jpeg
Description: Geenral view of component



File Name: 2-62-1-4-18.jpeg
Description: General view of component

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E51N0055A Equip. Class 18. Instrument (on) Racks

Equipment Description Pressure Sensor

Location: Bldg. AX Floor El. 574

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Sensor rack anchored with 16 anchors to 6" thick concrete pad. Nearby rack inspected and noted it was bolted together with 4 - 1/2" bolts.

Y	N
X	X

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E51N0055A Equip. Class 18. Instrument (on) Racks

Equipment Description Pressure Sensor

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

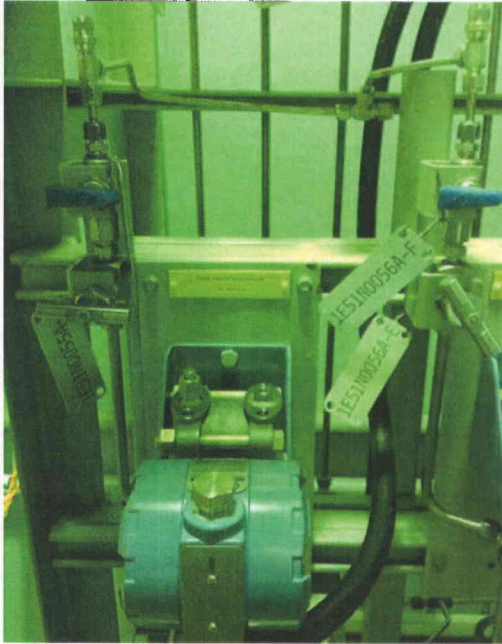
Status: Y N U

Seismic Walkdown Checklist (SWC)

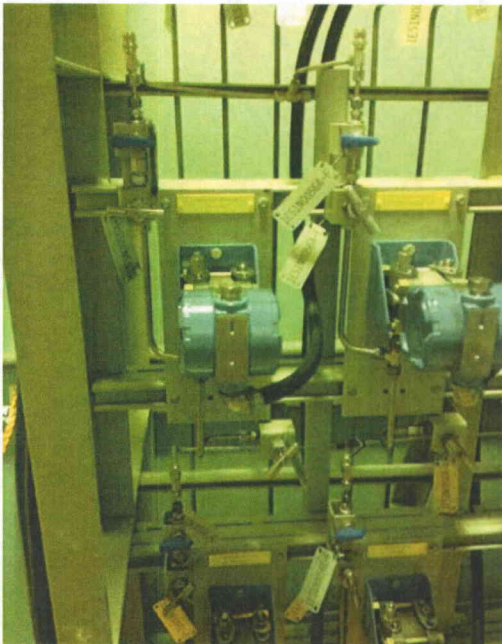
Equipment ID No. 1E51N0055A Equip. Class 18. Instrument (on) Racks

Equipment Description Pressure Sensor

Other supporting or relevant documents and photos (if any):



File Name: 2-61-6-4-18.jpeg
Description: Component Plate ID



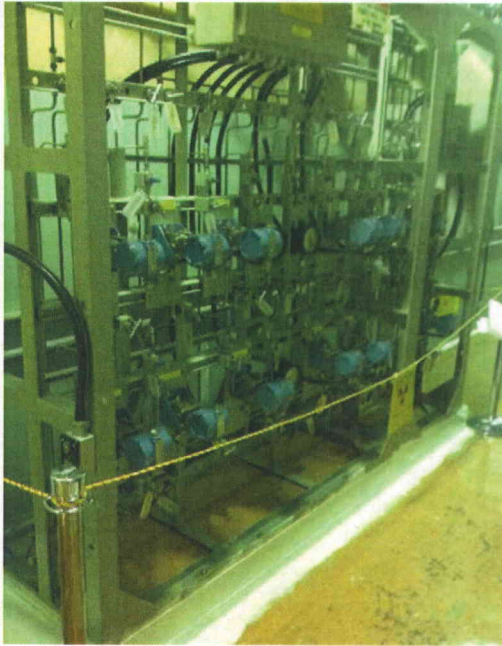
File Name: 2-62-6-4-18.jpeg
Description: General view of Component

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E51N0055A Equip. Class 18. Instrument (on) Racks

Equipment Description Pressure Sensor



File Name: 2-63-6-4-18.jpeg
Description: General view of component rack



File Name: 2-64-6-4-18.jpeg
Description: Anchorage configuration for instrument rack

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E51N0055A Equip. Class 18. Instrument (on) Racks

Equipment Description Pressure Sensor



File Name: 2-73-6-4-18.jpeg
Description: View of top attached lines

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1G41F0145 Equip. Class 8A. Motor-Operated Valves

Equipment Description CNTMT Pools RTN OTBD Isol

Location: Bldg. IB Floor El. 620

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Mounted on ~10" diam line well supported around valve.

Y	N
	X

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
			X

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
			X

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
			X

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1G41F0145 Equip. Class 8A. Motor-Operated Valves

Equipment Description CNTMT Pools RTN OTBD Isol

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

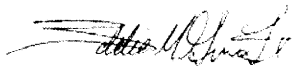
Y	N	U
X		

Other Adverse Conditions

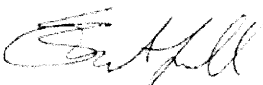
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

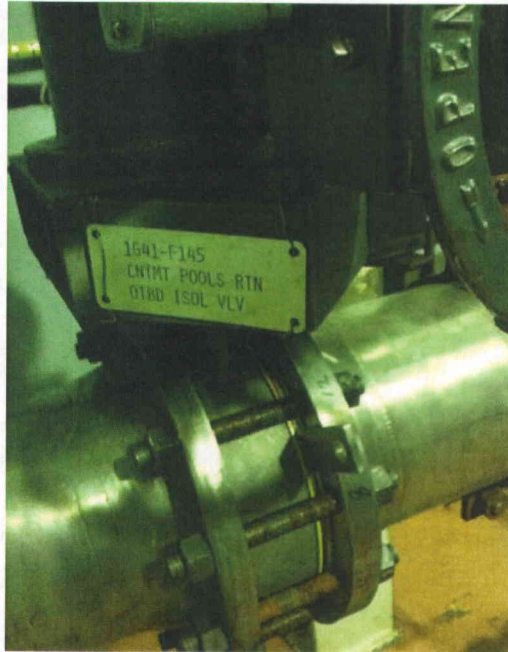
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1G41F0145 Equip. Class 8A. Motor-Operated Valves

Equipment Description CNTMT Pools RTN OTBD Isol

Other supporting or relevant documents and photos (if any):



File Name: 2-61-1-4-16.jpeg
Description: Component Plate ID



File Name: 2-62-1-4-16.jpeg
Description: General view of Component

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1G43N0060A Equip. Class 18. Instrument (on) Racks

Equipment Description Level Transmitter

Location: Bldg. AX Floor El. 574

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Small trasmitter on wall all verified to have their attachment bolts and supporting rack was found in adequate condition.

Y	N
X	X

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1G43N0060A Equip. Class 18. Instrument (on) Racks

Equipment Description Level Transmitter

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

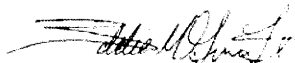
Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

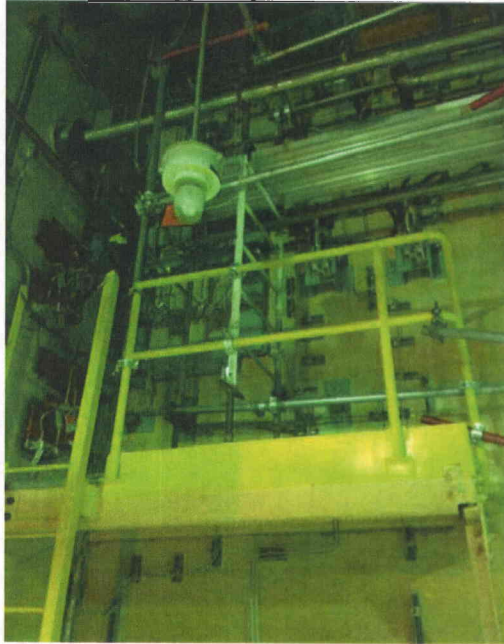
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1G43N0060A Equip. Class 18. Instrument (on) Racks

Equipment Description Level Transmitter

Other supporting or relevant documents and photos (if any):



File Name: 2-61-3-4-18.jpeg
Description: General view of component location



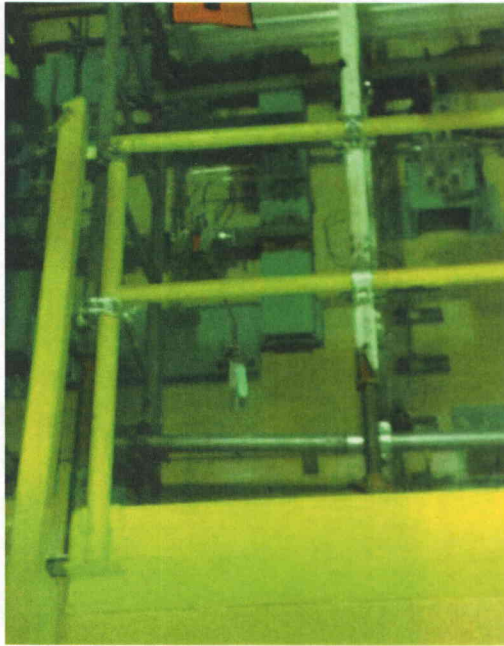
File Name: 2-62-3-4-18.jpeg
Description: High radiation area signage

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1G43N0060A Equip. Class 18. Instrument (on) Racks

Equipment Description Level Transmitter



File Name: 2-63-3-4-18.jpeg
Description: General view of component

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1G43N0060B Equip. Class 18. Instrument (on) Racks

Equipment Description Level Transmitter

Location: Bldg. AX Floor El. 574

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
X	X

Small trasnmitter on wall all verified to have their attachment bolts and supporting rack was found in adequate condition.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1G43N0060B Equip. Class 18. Instrument (on) Racks

Equipment Description Level Transmitter

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: Ⓢ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1G43N0060B Equip. Class 18. Instrument (on) Racks

Equipment Description Level Transmitter

Other supporting or relevant documents and photos (if any):



File Name: 2-61-4-4-18.jpeg
Description: General view of component location



File Name: 2-62-4-4-18.jpeg
Description: High radiation area signage

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1G43N0060B Equip. Class 18. Instrument (on) Racks

Equipment Description Level Transmitter



File Name: 2-63-4-4-18.jpeg
Description: General view of component

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1H13P0701 Equip. Class 20. Instrument and Control Panels

Equipment Description Termination Cabinet

Location: Bldg. CC Floor El. 654

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
	X

4 section panel, each section anchored with 4 - 5/8" diam anchors. Adjacent to another 4-section panel and verified to be bolted together.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1H13P0701 Equip. Class 20. Instrument and Control Panels

Equipment Description Termination Cabinet

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

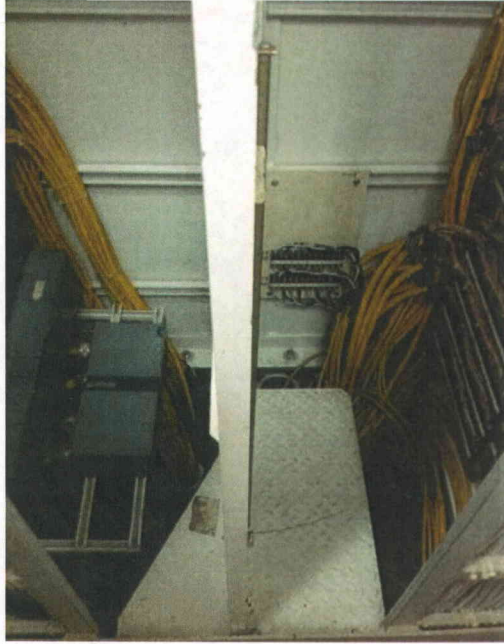
Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1H13P0701 Equip. Class 20. Instrument and Control Panels

Equipment Description Termination Cabinet

Other supporting or relevant documents and photos (if any):



File Name: 2-61-1-4-02.jpeg
Description: Partial view of component anchorage detail



File Name: 2-63-1-4-02.jpeg
Description: Inside view of component

Status: Y **Ⓝ** U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1H51P0037 Equip. Class 20. Instrument and Control Panels

Equipment Description ECCS pump room cool HVAC control panel.

Location: Bldg. AX Floor El. 599

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

- | | | | |
|---|---|--|--|
| Y | N | | |
| | X | | |
1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?
-
- | | | | |
|---|---|---|-----|
| Y | N | U | N/A |
| | | | X |
2. Is the anchorage free of bent, broken, missing or loose hardware?
-
- | | | | |
|---|---|---|-----|
| Y | N | U | N/A |
| | | | X |
3. Is the anchorage free of corrosion that is more than mild surface oxidation?
-
- | | | | |
|---|---|---|-----|
| Y | N | U | N/A |
| | | | X |
4. Is the anchorage free of visible cracks in the concrete near the anchors?
-
- | | | | |
|---|---|---|-----|
| Y | N | U | N/A |
| | | | X |
5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
-
- | | | | | |
|---|---|---|--|--|
| Y | N | U | | |
| | | X | | |
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Status: Y **Ⓝ** U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1H51P0037 Equip. Class 20. Instrument and Control Panels

Equipment Description ECCS pump room cool HVAC control panel.

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?
Potential interaction from scaffolding staging near cabinet. Condition Report issued for this condition (CR-2012-12375).

Y	N	U	N/A
	X		

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

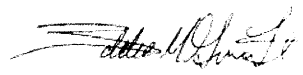
Y	N	U
	X	

Other Adverse Conditions

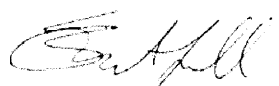
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

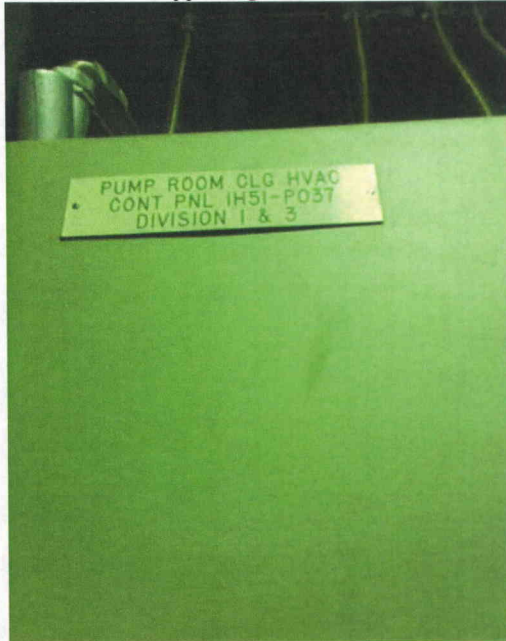
Status: Y Ⓝ U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1H51P0037 Equip. Class 20. Instrument and Control Panels

Equipment Description ECCS pump room cool HVAC control panel.

Other supporting or relevant documents and photos (if any):



File Name: 2-61-2-4-22.jpeg
Description: Component Plate ID



File Name: 2-62-2-4-22.jpeg
Description: General view of component

Status: Y Ⓝ U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1H51P0037 Equip. Class 20. Instrument and Control Panels

Equipment Description ECCS pump room cool HVAC control panel.



File Name: 2-63-2-4-22.jpeg
Description: Scaffolding staging area



File Name: 2-64-2-4-22.jpeg
Description: Tag for scaffolding staging area

Status: Y Ⓝ U

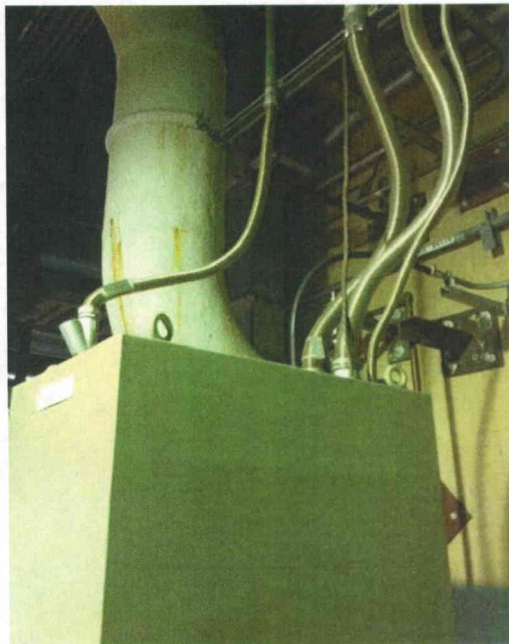
Seismic Walkdown Checklist (SWC)

Equipment ID No. 1H51P0037 Equip. Class 20. Instrument and Control Panels

Equipment Description ECCS pump room cool HVAC control panel.



File Name: 2-73-2-4-22.jpeg
Description: View of ties for scaffolding staging



File Name: 2-94-2-4-22.jpeg
Description: View of top attached lines

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1H51P0871 Equip. Class 20. Instrument and Control Panels

Equipment Description Auxiliary Relay Panel

Location: Bldg. CC Floor El. 620

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

8 - 5/8" diam anchors identified inside component.

Y	N
X	

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Anchorage confirmed per Document 1-6-7, page 170.

Y	N	U	N/A
X			

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1H51P0871 Equip. Class 20. Instrument and Control Panels

Equipment Description Auxiliary Relay Panel

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

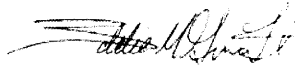
Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

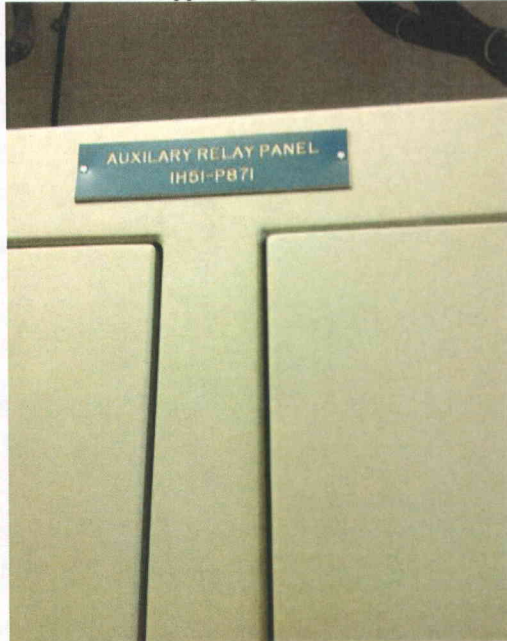
Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1H51P0871 Equip. Class 20. Instrument and Control Panels

Equipment Description Auxiliary Relay Panel

Other supporting or relevant documents and photos (if any):



File Name: 2-61-15-4-06.jpeg
Description: Component Plate ID



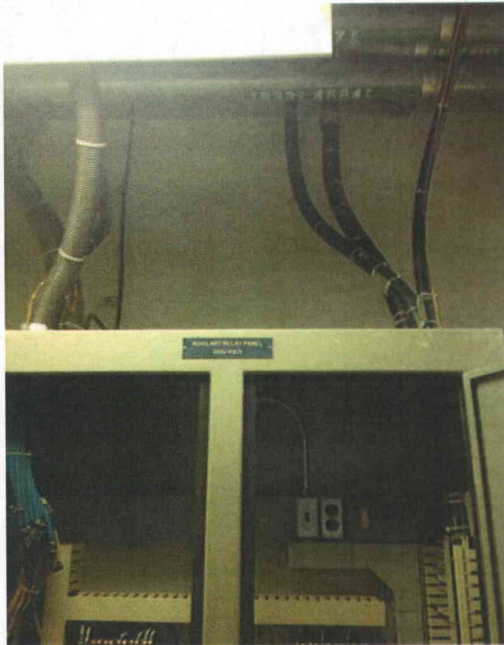
File Name: 2-62-15-4-06.jpeg
Description: General View Inside Component

Status: V N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1H51P0871 Equip. Class 20. Instrument and Control Panels

Equipment Description Auxiliary Relay Panel



File Name: 2-63-15-4-06.jpeg
Description: View of top attached lines



File Name: 2-64-15-4-06.jpeg
Description: General view of anchorage

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1H51P0975 Equip. Class 20. Instrument and Control Panels

Equipment Description Div 2 pump cooling cooling HVAC control panel

Location: Bldg. AX Floor El. 599

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Approx. 3' x 3' x 12" panel mounted to concrete column with 4 - 3/8" diam anchor bolts.

Y	N
	X

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Bolts found in good condition.

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
			X

5. Is the anchorage configuration consistent with plant documentation?

(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1H51P0975 Equip. Class 20. Instrument and Control Panels

Equipment Description Div 2 pump cooling cooling HVAC control panel

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?
Scaffolding located in the area. Judged not an adverse condition due to distance and proper bracing of scaffold.

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1H51P0975 Equip. Class 20. Instrument and Control Panels

Equipment Description Div 2 pump cooling cooling HVAC control panel

Other supporting or relevant documents and photos (if any):



File Name: 2-61-3-4-22.jpeg
Description: Component Plate ID



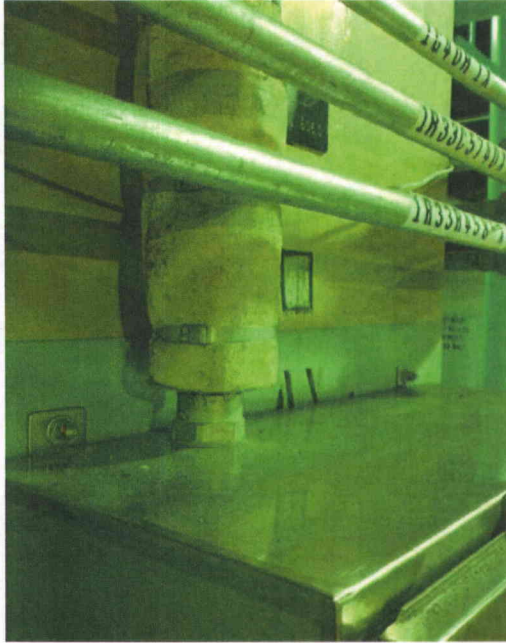
File Name: 2-62-3-4-22.jpeg
Description: General view of component

Status: V N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1H51P0975 Equip. Class 20. Instrument and Control Panels

Equipment Description Div 2 pump cooling cooling HVAC control panel



File Name: 2-63-3-4-22.jpeg
Description: View of top conduit attachment



File Name: 2-64-3-4-22.jpeg
Description: View of attached line

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1H51P0975 Equip. Class 20. Instrument and Control Panels

Equipment Description Div 2 pump cooling cooling HVAC control panel



File Name: 2-73-3-4-22.jpeg
Description: Scaffolding located in the area

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1H51P1421 Equip. Class 20. Instrument and Control Panels

Equipment Description Instr Rack For HPCS Diesel Gen. Pressure Switches

Location: Bldg. DG Floor El. 620

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
	X

Rack mounted on HSS 6 x 6 cantilever post which is anchored to floor with 4 - 1/2" diam anchor bolts. Very light weight identified for supporting rack. Total of 9 switches identified.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1H51P1421 Equip. Class 20. Instrument and Control Panels

Equipment Description Instr Rack For HPCS Diesel Gen. Pressure Switches

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate flexibility.

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?


Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: V N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1H51P1421 Equip. Class 20. Instrument and Control Panels

Equipment Description Instr Rack For HPCS Diesel Gen. Pressure Switches

Other supporting or relevant documents and photos (if any):



File Name: 2-61-11-1-08.jpeg
Description: Component Plate ID



File Name: 2-62-11-1-08.jpeg
Description: General view of Component

Status: Y N U

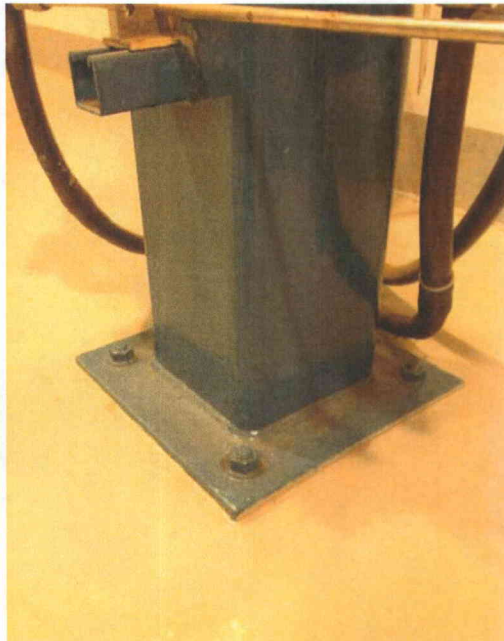
Seismic Walkdown Checklist (SWC)

Equipment ID No. 1H51P1421 Equip. Class 20. Instrument and Control Panels

Equipment Description Instr Rack For HPCS Diesel Gen. Pressure Switches



File Name: 2-63-11-1-08.jpeg
Description: General view with attached lines



File Name: 2-64-11-1-08.jpeg
Description: General view of anchorage

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1M16F0020A Equip. Class 0. Other

Equipment Description Vacuum Breaker Check Valve

Location: Bldg. CO Floor El. 642

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
	X

Mounted on ~12" diam line well supported off of dry well wall. Located very high in structure thus not well visible during inspection.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
			X

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
			X

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
			X

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1M16F0020A Equip. Class 0. Other

Equipment Description Vacuum Breaker Check Valve

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

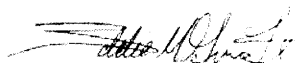
Y	N	U
X		

Other Adverse Conditions


11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1M16F0020A Equip. Class 0. Other

Equipment Description Vacuum Breaker Check Valve

Other supporting or relevant documents and photos (if any):



File Name: 2-61-6-4-12.jpeg
Description: General view of component location

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1M39B0001B Equip. Class 9. Fans

Equipment Description 1M39-B0001B FAN

Location: Bldg. AX Floor El. 574

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
X	

Anchored to steel platform with 8 - 5/8" diam machine bolts.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

Mild oxidation judged not a concern.

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
			X

5. Is the anchorage configuration consistent with plant documentation?

(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Anchorage confirmed per drawings 69_-0157-00000_006, 48_-0326-00000_002 and 87254-026-54.

Y	N	U	N/A
X			

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1M39B0001B Equip. Class 9. Fans

Equipment Description 1M39-B0001B FAN

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?
Scaffolding identified in area. Judged not a seismic concern.

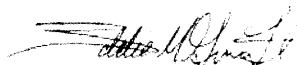
Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

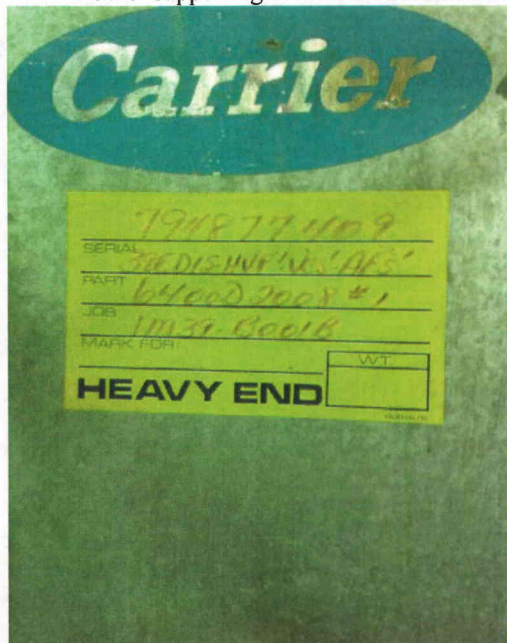
Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1M39B0001B Equip. Class 9. Fans

Equipment Description 1M39-B0001B FAN

Other supporting or relevant documents and photos (if any):



File Name: 2-61-5-1-19.jpeg
Description: Component ID Tag



File Name: 2-62-5-1-19.jpeg
Description: General view of component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1M39B0001B Equip. Class 9. Fans

Equipment Description 1M39-B0001B FAN



File Name: 2-63-5-1-19.jpeg
Description: View of anchorage detail



File Name: 2-64-5-1-19.jpeg
Description: View of component anchorage detail

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1M39B0001B Equip. Class 9. Fans

Equipment Description 1M39-B0001B FAN



File Name: 2-73-5-1-19.jpeg
Description: Scaffolding located in the area

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1M39B0003 Equip. Class 10. Air Handlers

Equipment Description Room Cooling Fan

Location: Bldg. AX Floor El. 574

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
X	

Anchored through grating to steel beams with 8 - 5/8" diam machine bolts. Anchorage detail does not appear to engage the supporting beam flanges. Drawing D-512-021 reviewed and it shows the anchors are stud-welded to top flange of supporting beams.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

Slight surface corrosion identified but judged not a concern.

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?

(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Drawing D-512-021 confirms anchorage configuration.

Y	N	U	N/A
X			

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1M39B0003 Equip. Class 10. Air Handlers

Equipment Description Room Cooling Fan

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?
Temporary scaffolding located in the area judged not a interaction hazard.

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

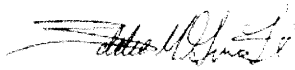
Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1M39B0003 Equip. Class 10. Air Handlers

Equipment Description Room Cooling Fan

Other supporting or relevant documents and photos (if any):



File Name: 2-61-15-4-18.jpeg
Description: Component Plate ID



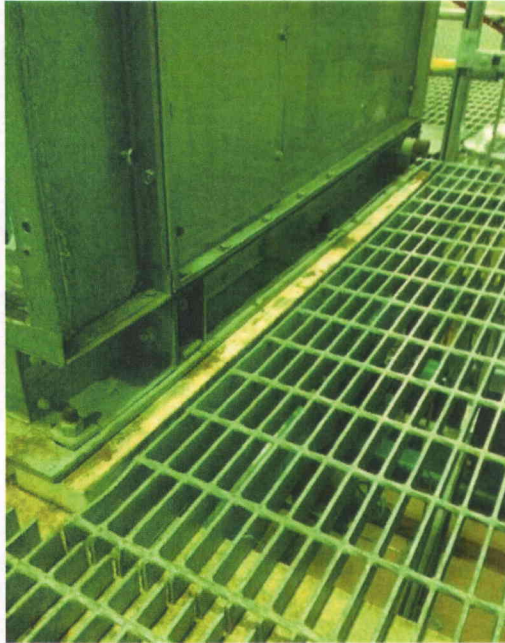
File Name: 2-62-15-4-18.jpeg
Description: General view of Component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1M39B0003 Equip. Class 10. Air Handlers

Equipment Description Room Cooling Fan



File Name: 2-63-15-4-18.jpeg
Description: General view of mounting base configuration



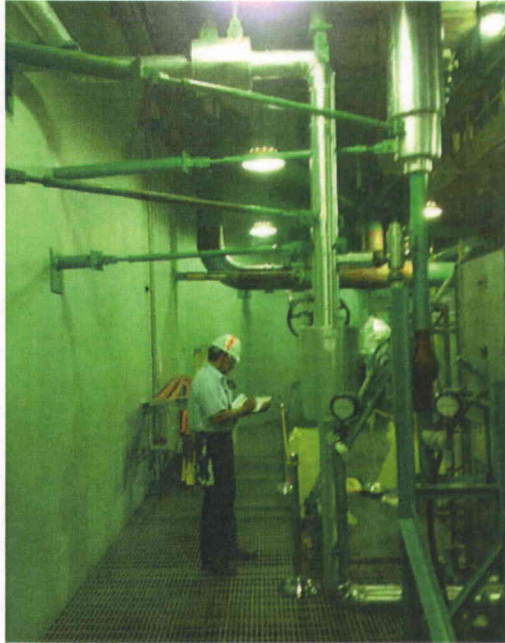
File Name: 2-64-15-4-18.jpeg
Description: View of attached lines

Status: Y N U

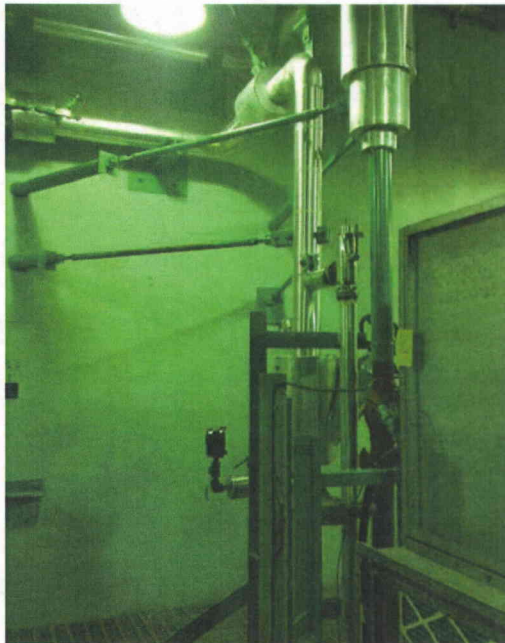
Seismic Walkdown Checklist (SWC)

Equipment ID No. 1M39B0003 Equip. Class 10. Air Handlers

Equipment Description Room Cooling Fan



File Name: 2-73-15-4-18.jpeg
Description: View of pipe line wall supported bracing



File Name: 2-94-15-4-18.jpeg
Description: View of pipe line wall supported bracing

Status: Ⓢ N U

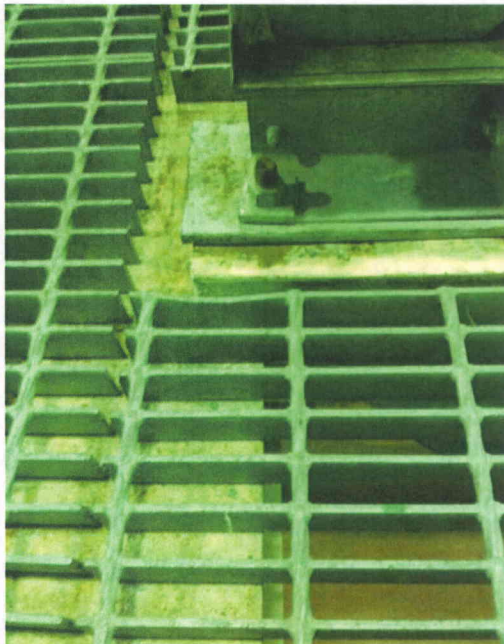
Seismic Walkdown Checklist (SWC)

Equipment ID No. 1M39B0003 Equip. Class 10. Air Handlers

Equipment Description Room Cooling Fan



File Name: 2-95-15-4-18.jpeg
Description: Scaffolding located near component



File Name: 2-96-15-4-18.jpeg
Description: View of typical anchorage detail

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1M39B0006 Equip. Class 10. Air Handlers

Equipment Description Fan

Location: Bldg. AX Floor El. 574

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
X	

Anchored through grating to steel beams with 8 - 5/8" diam machine bolts. Anchorage detail does not appear to engage the supporting beam flanges. Drawing D-512-022 reviewed and it shows the anchors are stud-welded to top flange of supporting beams.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Drawing D-512-021 and D-512-022 confirms anchorage configuration.

Y	N	U	N/A
X			

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1M39B0006 Equip. Class 10. Air Handlers

Equipment Description Fan

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

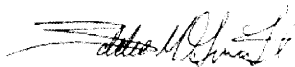
Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

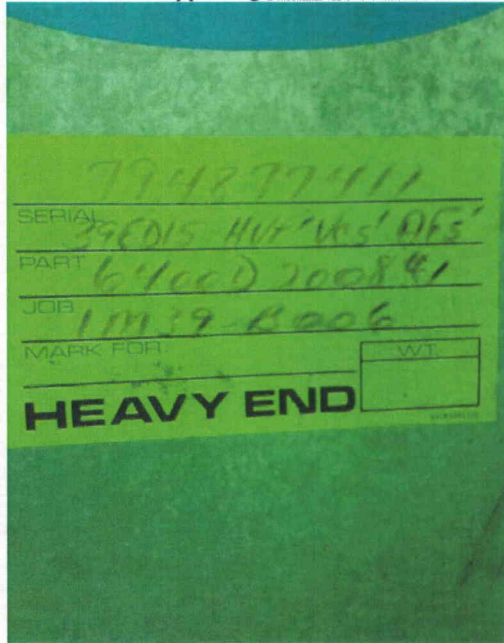
Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1M39B0006 Equip. Class 10. Air Handlers

Equipment Description Fan

Other supporting or relevant documents and photos (if any):



File Name: 2-61-9-4-18.jpeg
Description: Component Plate ID



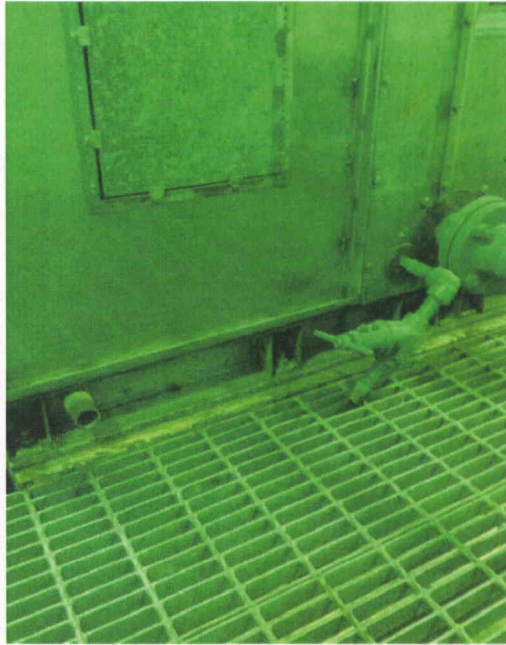
File Name: 2-62-9-4-18.jpeg
Description: General view of Component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1M39B0006 Equip. Class 10. Air Handlers

Equipment Description Fan



File Name: 2-63-9-4-18.jpeg
Description: View of anchorage detail



File Name: 2-64-9-4-18.jpeg
Description: View of mounting base configuration

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1M39B0006 Equip. Class 10. Air Handlers

Equipment Description Fan



File Name: 2-73-9-4-18.jpeg
Description: View of pipe lines attached to component



File Name: 2-94-9-4-18.jpeg
Description: View of pipe line wall supported bracing

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1M39B0006 Equip. Class 10. Air Handlers

Equipment Description Fan



File Name: 2-95-9-4-18.jpeg
Description: View of component wall mounted bracing



File Name: 2-96-9-4-18.jpeg
Description: View of typical anchorage detail

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1M43C0001A Equip. Class 9. Fans

Equipment Description Div 1 DG RM Supply Fan 1A

Location: Bldg. DG Floor El. 620

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
X	

Rigidly supported from wall by 6 - 1" diam bolts to C4 channels. C4's attached to wall with 2 - 3/4" diam anchor bolts.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
X			

Anchorage configuration confirmed by detail D drawing 517-0024.

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1M43C0001A Equip. Class 9. Fans

Equipment Description Div 1 DG RM Supply Fan 1A

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

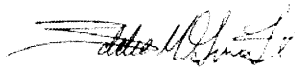
Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

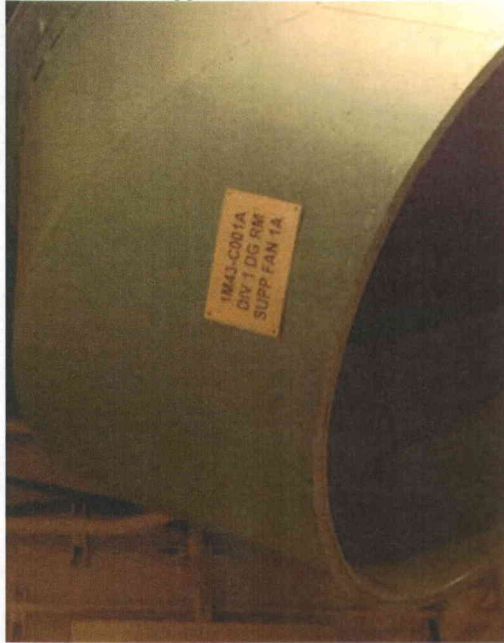
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1M43C0001A Equip. Class 9. Fans

Equipment Description Div 1 DG RM Supply Fan 1A

Other supporting or relevant documents and photos (if any):



File Name: 2-61-18-4-08.jpeg
Description: Component Plate ID



File Name: 2-62-18-4-08.jpeg
Description: General view of Component

Status: N U

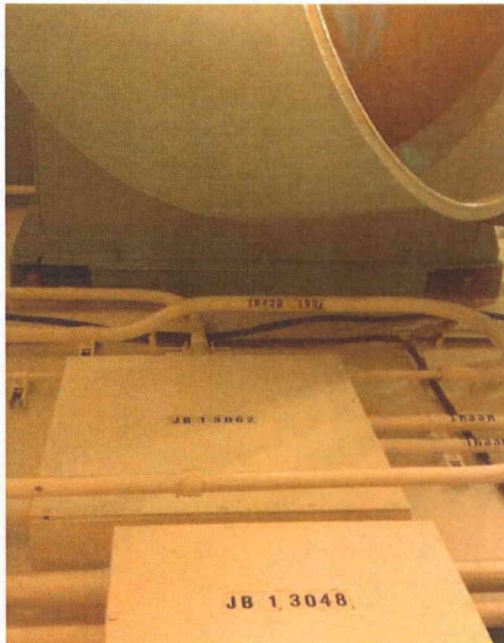
Seismic Walkdown Checklist (SWC)

Equipment ID No. 1M43C0001A Equip. Class 9. Fans

Equipment Description Div 1 DG RM Supply Fan 1A



File Name: 2-63-18-4-08.jpeg
Description: View of attached small lines



File Name: 2-64-18-4-08.jpeg
Description: View of wall mounting base

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1M43C0002B Equip. Class 9. Fans

Equipment Description Motor Fan

Location: Bldg. DG Floor El. 620

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

- | | | | | | | | | | |
|---|---|---|-----|---|-----|---|--|--|--|
| <p>1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</p> <p><i>Rigidly supported from wall by 6 - 1" diam bolts to C4 channels. C4's attached to wall with 2 - 3/4" diam anchor bolts.</i></p> | <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="padding: 2px;">X</td> <td style="padding: 2px;"></td> </tr> </table> | Y | N | X | | | | | |
| Y | N | | | | | | | | |
| X | | | | | | | | | |
| <p>2. Is the anchorage free of bent, broken, missing or loose hardware?</p> | <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> <td style="padding: 2px;">U</td> <td style="padding: 2px;">N/A</td> </tr> <tr> <td style="padding: 2px;">X</td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> </tr> </table> | Y | N | U | N/A | X | | | |
| Y | N | U | N/A | | | | | | |
| X | | | | | | | | | |
| <p>3. Is the anchorage free of corrosion that is more than mild surface oxidation?</p> | <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> <td style="padding: 2px;">U</td> <td style="padding: 2px;">N/A</td> </tr> <tr> <td style="padding: 2px;">X</td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> </tr> </table> | Y | N | U | N/A | X | | | |
| Y | N | U | N/A | | | | | | |
| X | | | | | | | | | |
| <p>4. Is the anchorage free of visible cracks in the concrete near the anchors?</p> | <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> <td style="padding: 2px;">U</td> <td style="padding: 2px;">N/A</td> </tr> <tr> <td style="padding: 2px;">X</td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> </tr> </table> | Y | N | U | N/A | X | | | |
| Y | N | U | N/A | | | | | | |
| X | | | | | | | | | |
| <p>5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)</p> <p><i>Detail D drawing 517-0024 confirms anchorage configuration.</i></p> | <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> <td style="padding: 2px;">U</td> <td style="padding: 2px;">N/A</td> </tr> <tr> <td style="padding: 2px;">X</td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> </tr> </table> | Y | N | U | N/A | X | | | |
| Y | N | U | N/A | | | | | | |
| X | | | | | | | | | |
| <p>6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?</p> | <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> <td style="padding: 2px;">U</td> </tr> <tr> <td style="padding: 2px;">X</td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> </tr> </table> | Y | N | U | X | | | | |
| Y | N | U | | | | | | | |
| X | | | | | | | | | |

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1M43C0002B Equip. Class 9. Fans

Equipment Description Motor Fan

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

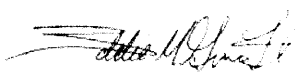
Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

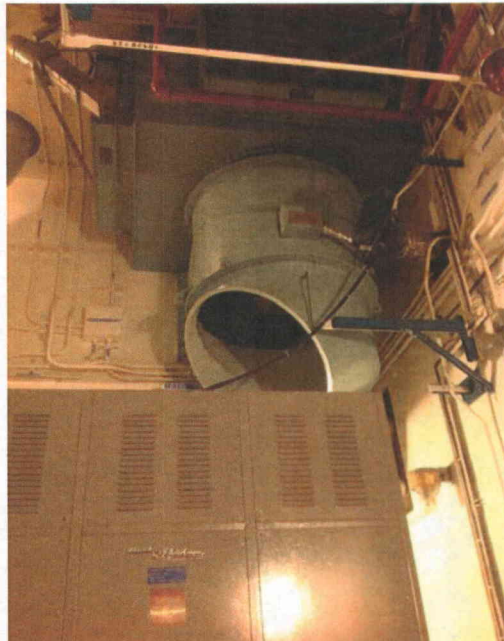
Equipment ID No. 1M43C0002B Equip. Class 9. Fans

Equipment Description Motor Fan

Other supporting or relevant documents and photos (if any):



File Name: 2-61-15-1-08.jpeg
Description: Component Plate ID



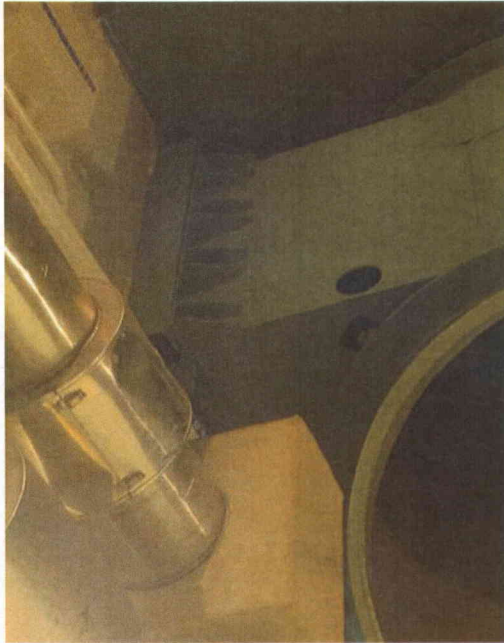
File Name: 2-62-15-1-08.jpeg
Description: General view of Component

Status: N U

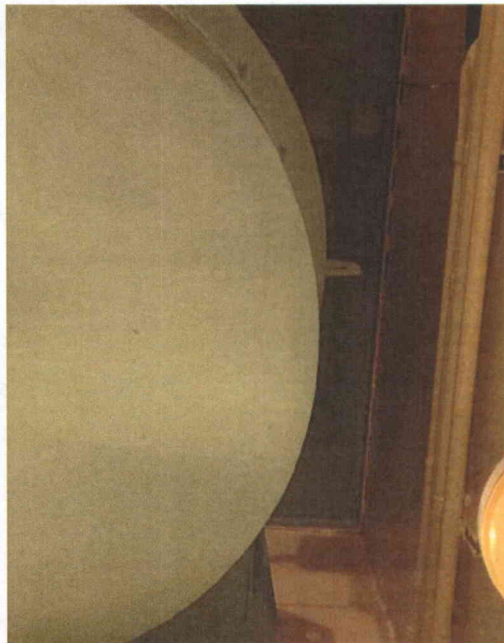
Seismic Walkdown Checklist (SWC)

Equipment ID No. 1M43C0002B Equip. Class 9. Fans

Equipment Description Motor Fan



File Name: 2-63-15-1-08.jpeg
Description: View of mounting base



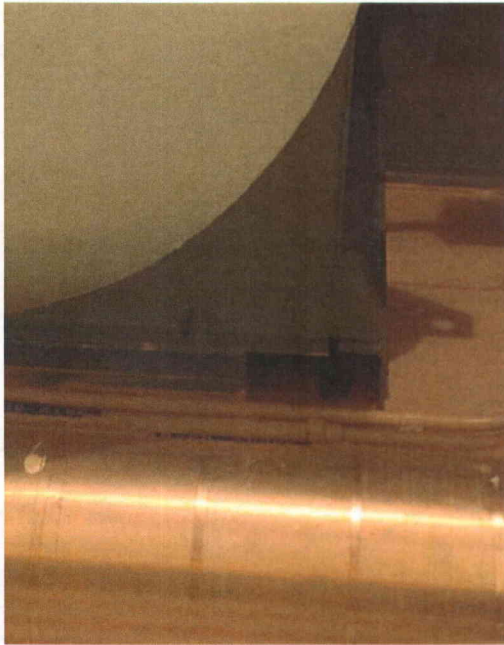
File Name: 2-64-15-1-08.jpeg
Description: View of wall welding detail

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1M43C0002B Equip. Class 9. Fans

Equipment Description Motor Fan



File Name: 2-73-15-1-08.jpeg

Description: View of wall mounting configuration

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1M43F0030A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description DIV 1 Recirc Damper

Location: Bldg. DG Floor El. 620

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

6 bladed damper attached to 1M43-C001A. Damper operator braced back to duct housing/vent with 3 L 2 x 2 x 1/4" braces.

Y	N
	X

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?

(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1M43F0030A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description DIV 1 Recirc Damper

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

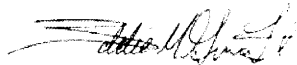
Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

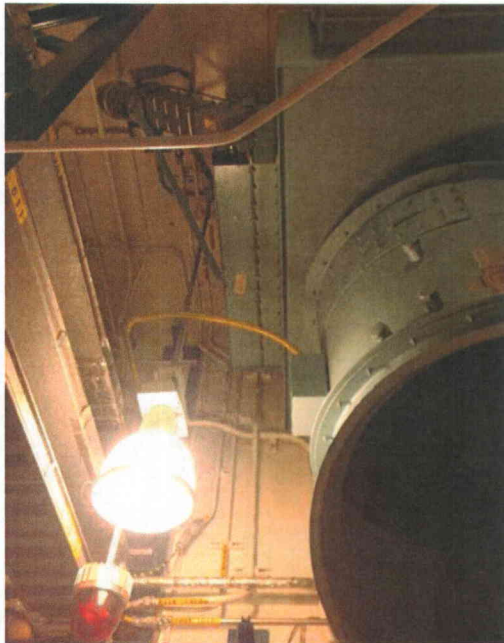
Equipment ID No. 1M43F0030A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description DIV 1 Recirc Damper

Other supporting or relevant documents and photos (if any):



File Name: 2-61-1-4-08.jpeg
Description: Component Plate ID



File Name: 2-62-1-4-08.jpeg
Description: General view of Component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1M43F0230B Equip. Class 7. Pneumatic-Operated Valves

Equipment Description Motor Damper

Location: Bldg. DG Floor El. 620

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
X	X

Mounting consists of C4 channels welded to inserts in wall with at least 14" of 5/16" weld at each end of C4's.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1M43F0230B Equip. Class 7. Pneumatic-Operated Valves

Equipment Description Motor Damper

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

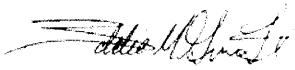
Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1M43F0230B Equip. Class 7. Pneumatic-Operated Valves

Equipment Description Motor Damper

Other supporting or relevant documents and photos (if any):



File Name: 2-61-14-4-08.jpeg
Description: Component Plate ID



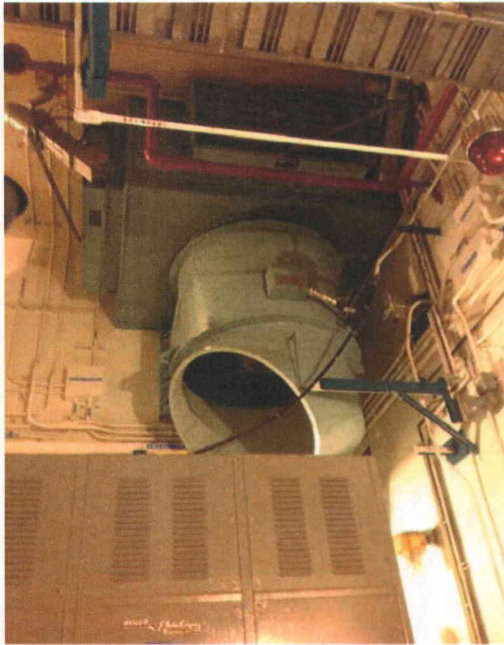
File Name: 2-62-14-4-08.jpeg
Description: General view of Component

Status:

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1M43F0230B Equip. Class 7. Pneumatic-Operated Valves

Equipment Description Motor Damper



File Name: 2-63-14-4-08.jpeg
Description: General view of Component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P42A0001B Equip. Class 21. Tanks and Heat Exchangers

Equipment Description ECCW Surge Tank

Location: Bldg. IB Floor El. 665

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
X	

Small horizontal tank mounted on two saddles. Each saddle anchored with 4 - 1" diam anchor bolts.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
X			

Anchorage configuration confirmed with Drawing 413-0237, Equipment Foundation "J".

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P42A0001B Equip. Class 21. Tanks and Heat Exchangers

Equipment Description ECCW Surge Tank

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate flexibility.

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

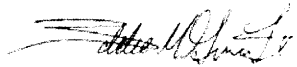
Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P42A0001B Equip. Class 21. Tanks and Heat Exchangers

Equipment Description ECCW Surge Tank

Other supporting or relevant documents and photos (if any):



File Name: 2-61-1-4-11.jpeg
Description: General view of component



File Name: 2-62-1-4-11.jpeg
Description: View of anchorage detail

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P42A0001B Equip. Class 21. Tanks and Heat Exchangers

Equipment Description ECCW Surge Tank



File Name: 2-63-1-4-11.jpeg
Description: View of pipe line lateral supports



File Name: 2-64-1-4-11.jpeg
Description: View of component bracing configuration

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P42B0001B Equip. Class 21. Tanks and Heat Exchangers

Equipment Description ECCW Heat Exchanger

Location: Bldg. CC Floor El. 574

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
X	

Mounted on two saddles each one anchored with 12 anchor bolts. 4-2" diam and 8-1 1/4" diam anchors. Saddles anchored to 6 in-thick concrete pads. Slotted holes not visible due to large washers.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Anchorage inspected and found in adequate condition.

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?

(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Anchorage configuration confirmed by Drawing 414-0046, Foundation Plan "E".

Y	N	U	N/A
X			

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P42B0001B Equip. Class 21. Tanks and Heat Exchangers

Equipment Description ECCW Heat Exchanger

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?
Hanging lights in the area judged not a concern due to end tube spring type connections.

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate flexibility.

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

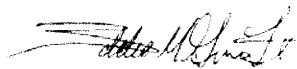
Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

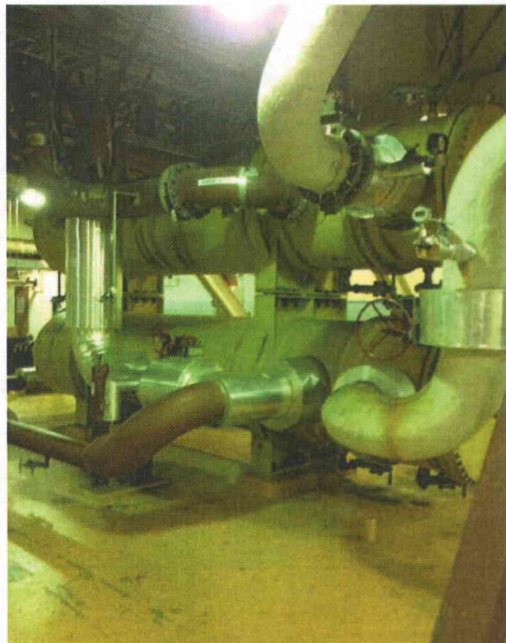
Equipment ID No. 1P42B0001B Equip. Class 21. Tanks and Heat Exchangers

Equipment Description ECCW Heat Exchanger

Other supporting or relevant documents and photos (if any):



File Name: 2-61-4-4-01.jpeg
Description: Component Plate ID



File Name: 2-62-4-4-01.jpeg
Description: General view of component

Status: Y N U

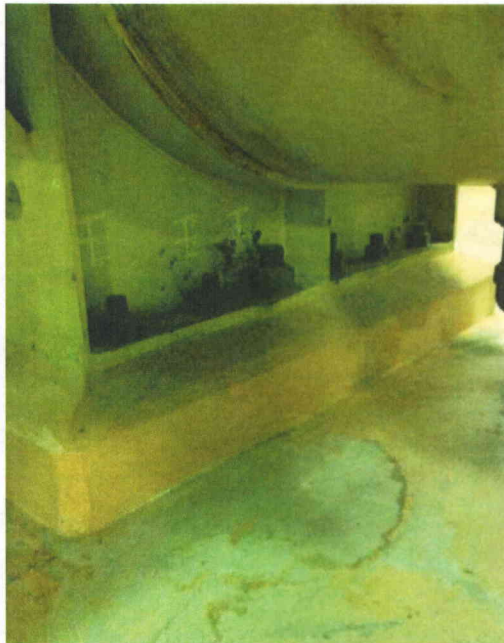
Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P42B0001B Equip. Class 21. Tanks and Heat Exchangers

Equipment Description ECCW Heat Exchanger



File Name: 2-63-4-4-01.jpeg
Description: View of main pipe line bracing



File Name: 2-64-4-4-01.jpeg
Description: Anchorage view of component

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P42B0001B Equip. Class 21. Tanks and Heat Exchangers

Equipment Description ECCW Heat Exchanger



File Name: 2-73-4-4-01.jpeg
Description: View of anchorage detail



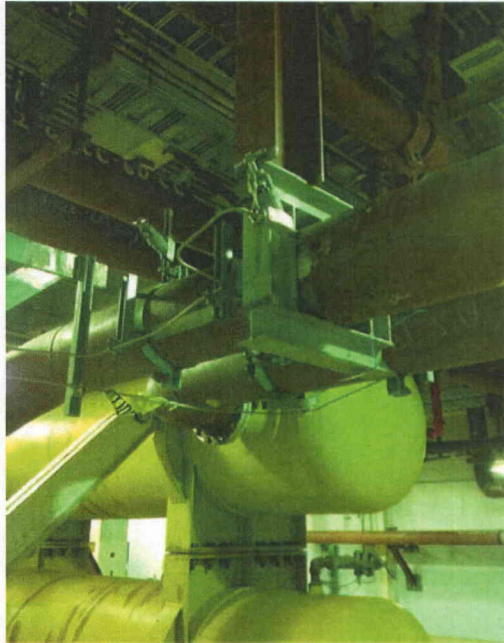
File Name: 2-94-4-4-01.jpeg
Description: View of lateral bracing

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P42B0001B Equip. Class 21. Tanks and Heat Exchangers

Equipment Description ECCW Heat Exchanger



File Name: 2-95-4-4-01.jpeg

Description: View of nozzle piping and supports

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P42C0001B Equip. Class 5. Horizontal Pumps

Equipment Description ECCW Pump

Location: Bldg. CC Floor El. 574

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Both motor and pump mounted on skid to concrete pad with 6 - 7/8" diam anchor bolts.

Y	N
X	

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?

(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Anchorage configuration confirmed by Drawing 414-0046, Foundation Plan "D".

Y	N	U	N/A
X			

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P42C0001B Equip. Class 5. Horizontal Pumps

Equipment Description ECCW Pump

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

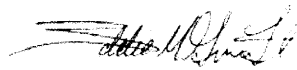
Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

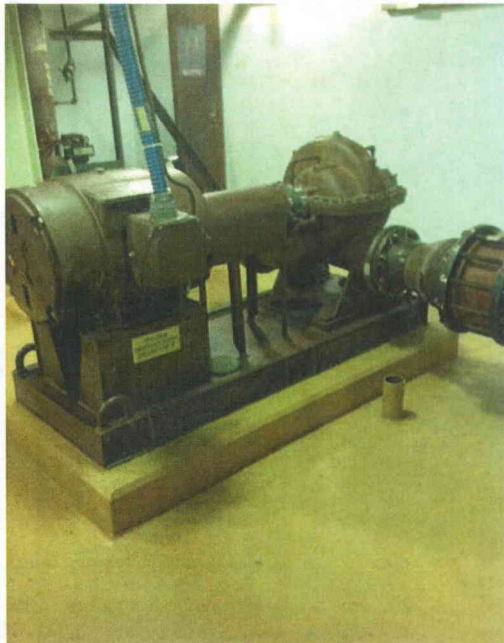
Equipment ID No. 1P42C0001B Equip. Class 5. Horizontal Pumps

Equipment Description ECCW Pump

Other supporting or relevant documents and photos (if any):



File Name: 2-61-9-1-01.jpeg
Description: Component Plate ID



File Name: 2-62-9-1-01.jpeg
Description: General view of component

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P42C0001B Equip. Class 5. Horizontal Pumps

Equipment Description ECCW Pump



File Name: 2-63-9-1-01.jpeg
Description: Typical anchorage for pump to skid



File Name: 2-64-9-1-01.jpeg
Description: Typical anchorage to concrete

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P42C0001B Equip. Class 5. Horizontal Pumps

Equipment Description ECCW Pump



File Name: 2-73-9-1-01.jpeg
Description: Mounting base to concrete pad detail

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P42F0665A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description Temperature Control Valve

Location: Bldg. CC Floor El. 574

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
X	X

Horizontally mounted on large pipe ~10" diameter. Main line showed adequate support.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
			X

5. Is the anchorage configuration consistent with plant documentation?

(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P42F0665A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description Temperature Control Valve

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

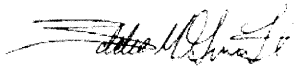
Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P42F0665A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description Temperature Control Valve

Other supporting or relevant documents and photos (if any):



File Name: 2-61-2-1-01.jpeg
Description: Component Plate ID



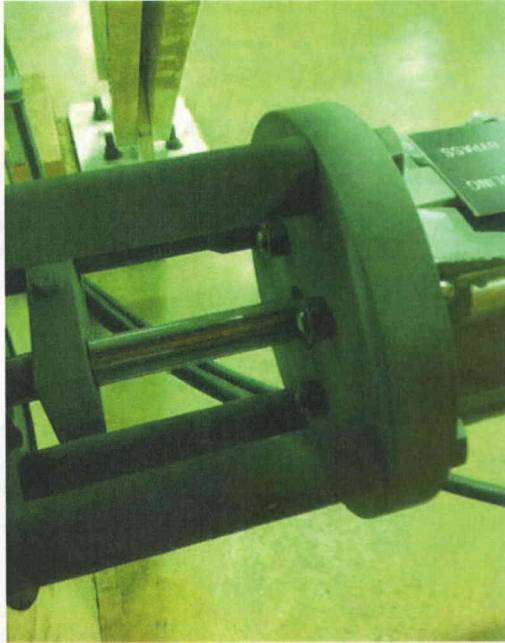
File Name: 2-62-2-1-01.jpeg
Description: General view of component

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P42F0665A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description Temperature Control Valve



File Name: 2-63-2-1-01.jpeg
Description: View of bolting detail on valve



File Name: 2-64-2-1-01.jpeg
Description: Close up view of component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P42F0665A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description Temperature Control Valve



File Name: 2-73-2-1-01.jpeg
Description: Main line support and attached lines

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P42F0665B Equip. Class 7. Pneumatic-Operated Valves

Equipment Description Temperature Control Valve

Location: Bldg. CC Floor El. 574

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
	X

Horizontally mounted on large pipe ~10" diameter. Main line showed adequate support.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
			X

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P42F0665B Equip. Class 7. Pneumatic-Operated Valves

Equipment Description Temperature Control Valve

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

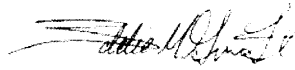
Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

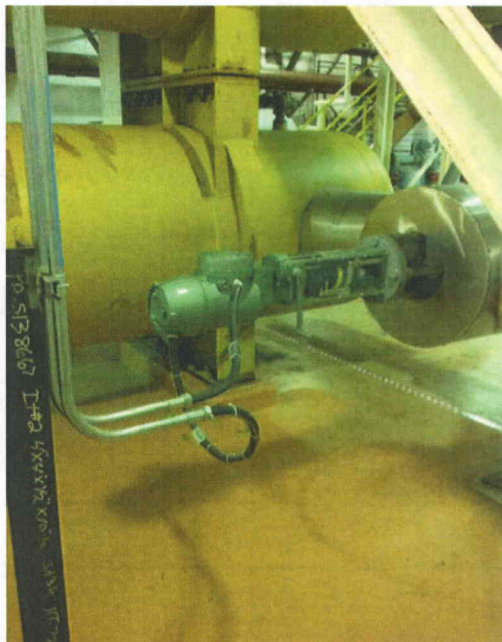
Equipment ID No. 1P42F0665B Equip. Class 7. Pneumatic-Operated Valves

Equipment Description Temperature Control Valve

Other supporting or relevant documents and photos (if any):



File Name: 2-61-3-1-01.jpeg
Description: Component Plate ID



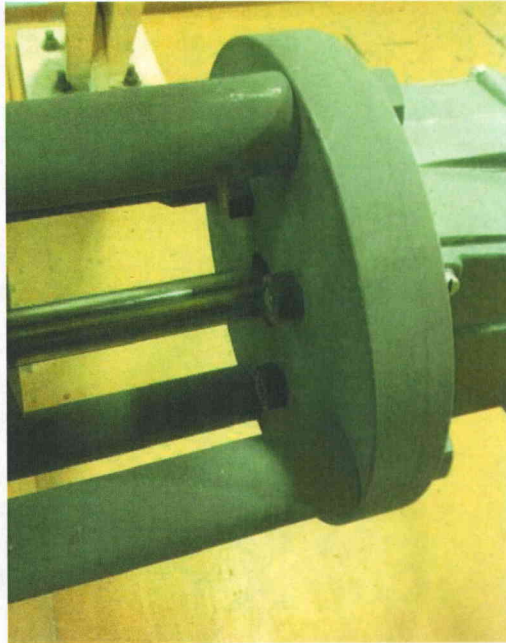
File Name: 2-62-3-1-01.jpeg
Description: General view of component

Status: Y N U

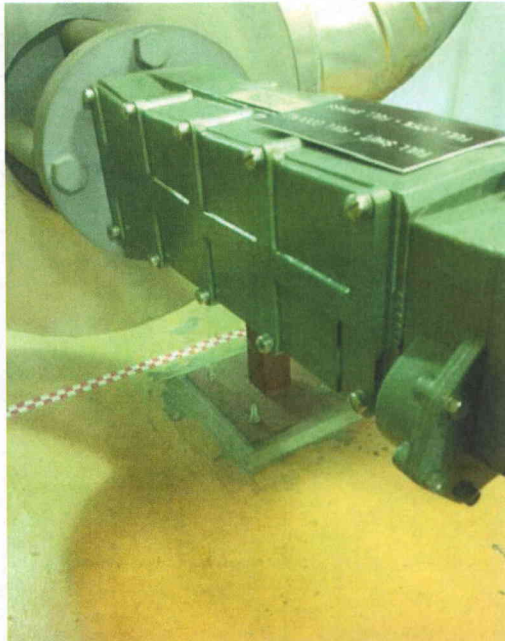
Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P42F0665B Equip. Class 7. Pneumatic-Operated Valves

Equipment Description Temperature Control Valve



File Name: 2-63-3-1-01.jpeg
Description: View of bolting detail on valve



File Name: 2-64-3-1-01.jpeg
Description: Close up view of screws configuration

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P43F0055 Equip. Class 8A. Motor-Operated Valves

Equipment Description NCC Cntmt Supply OTBD Isol

Location: Bldg. IB Floor El. 599

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Small MOV on ~12" diam pipe line identified with adequate supports.

Y	N
	X

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
			X

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
			X

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
			X

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P43F0055 Equip. Class 8A. Motor-Operated Valves

Equipment Description NCC Cntmt Supply OTBD Isol

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
	X		

Scaffold structure identified near valve used as a support system for a chiller unit. Judged not an adverse condition due to size and apparent strength of valve. AWC with respect to this area addresses the scaffolding concern for which CR 2012-12373 was issued.

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?

Y	N	U	N/A
X			

Attached piping is rigidly supported and attached conduits were found with adequate

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

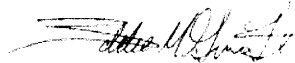
Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

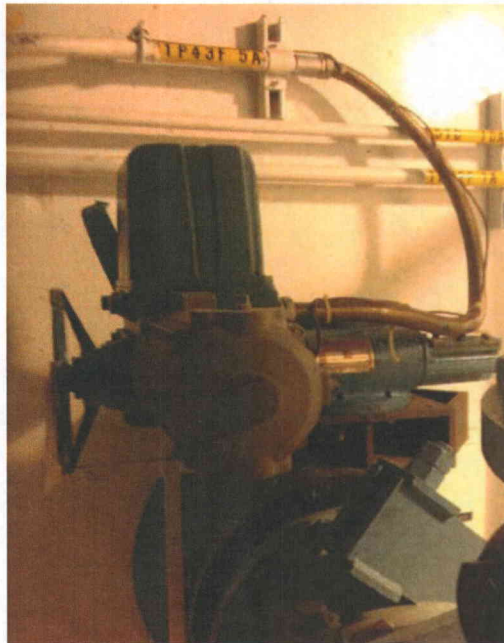
Equipment ID No. 1P43F0055 Equip. Class 8A. Motor-Operated Valves

Equipment Description NCC Cntmt Supply OTBD Isol

Other supporting or relevant documents and photos (if any):



File Name: 2-61-1-4-14.jpeg
Description: Component Plate ID



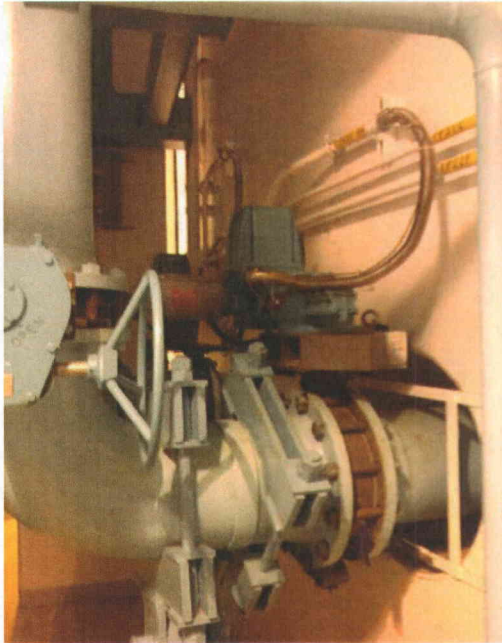
File Name: 2-62-1-4-14.jpeg
Description: General view of Component

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P43F0055 Equip. Class 8A. Motor-Operated Valves

Equipment Description NCC Contmt Supply OTBD Isol



File Name: 2-63-1-4-14.jpeg
Description: Valve main line running through containment



File Name: 2-64-1-4-14.jpeg
Description: View of support condition for main line

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P45C0001B Equip. Class 6. Vertical Pumps

Equipment Description ESW Pump 1P45-C0001B

Location: Bldg. EW Floor El. 586

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
X	

Base plates attached to concrete pedestal with 4 - 1 1/2" diam anchor bolts.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

No significant corrosion identified in attached lines or pump housing

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
X			

Anchorage confirmed per Document SQ-146, page 26 of Attachment 2.

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P45C0001B Equip. Class 6. Vertical Pumps

Equipment Description ESW Pump 1P45-C0001B

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?
No loose equipment identified in the area.

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?
Scaffolding located in area found to be properly braced. Confirmed to be temporary with plant personnel.

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate flexibility.

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

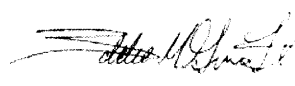
Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

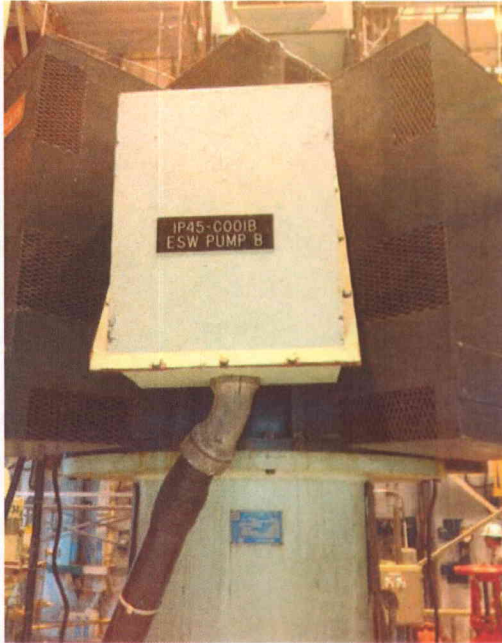
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P45C0001B Equip. Class 6. Vertical Pumps

Equipment Description ESW Pump 1P45-C0001B

Other supporting or relevant documents and photos (if any):



File Name: 2-61-7-4-05.jpeg
Description: Component Plate ID



File Name: 2-62-7-4-05.jpeg
Description: General view of component

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P45C0001B Equip. Class 6. Vertical Pumps

Equipment Description ESW Pump 1P45-C0001B



File Name: 2-63-7-4-05.jpeg
Description: View of attached lines

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P45F0130B Equip. Class 8A. Motor-Operated Valves

Equipment Description ESW MOV 1P45-F0130B

Location: Bldg. EW Floor El. 586

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Valve mounted on ~24" diam pipe line. Pipe is rigidly supported in the vicinity of valve.

Y	N
X	X

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
			X

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P45F0130B Equip. Class 8A. Motor-Operated Valves

Equipment Description ESW MOV 1P45-F0130B

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?
Overhead pipes found rigidly supported.

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

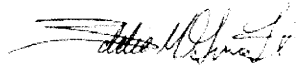
Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

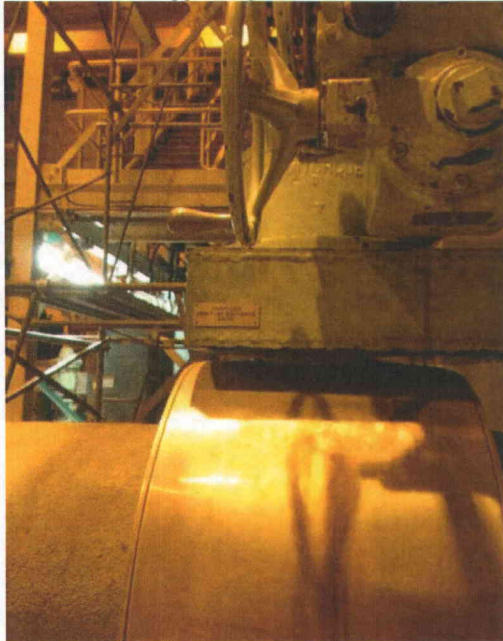
Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P45F0130B Equip. Class 8A. Motor-Operated Valves

Equipment Description ESW MOV 1P45-F0130B

Other supporting or relevant documents and photos (if any):



File Name: 2-61-4-1-05.jpeg
Description: Component Plate ID



File Name: 2-62-4-1-05.jpeg
Description: General view of component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P45F0660 Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description Fire Protection SYS Backup From ESW

Location: Bldg. EW Floor El. 586

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
	X

Valve mounted on 4" main pipe line. The 4" line is rigidly supported in the vicinity of the valve.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
			X

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
			X

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
			X

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P45F0660 Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description Fire Protection SYS Backup From ESW

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?
No potential interaction found in the area.

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

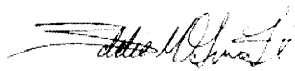
Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

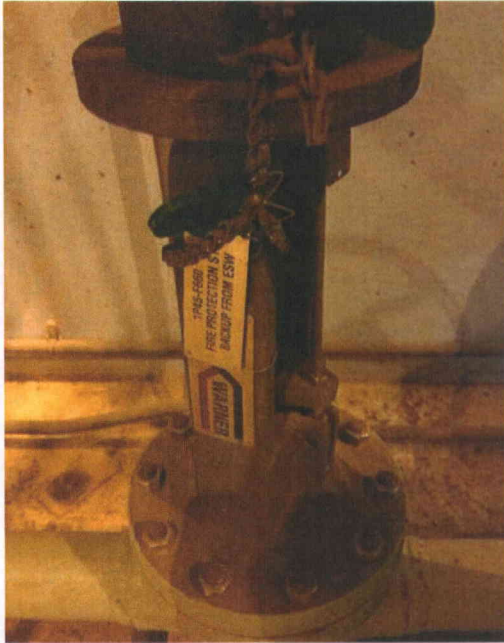
Status: N U

Seismic Walkdown Checklist (SWC)

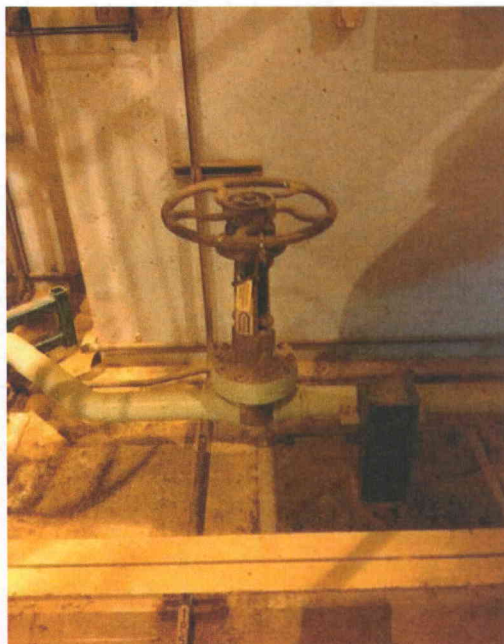
Equipment ID No. 1P45F0660 Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description Fire Protection SYS Backup From ESW

Other supporting or relevant documents and photos (if any):



File Name: 2-61-5-4-05.jpeg
Description: Component Plate ID



File Name: 2-62-5-4-05.jpeg
Description: General view of component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P45F0660 Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description Fire Protection SYS Backup From ESW



File Name: 2-63-5-4-05.jpeg
Description: View of pipe line supports

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P57A0003A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description Storage Air Tank

Location: Bldg. FH Floor El. 620

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

14 - 1" diam anchor bolts identified during inspection. No degradation identified.

Y	N
X	

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?

(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Anchorage configuration confirmed by Drawing 415-0107, Detail "A".

Y	N	U	N/A
X			

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P57A0003A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description Storage Air Tank

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?
Scaffolding identified in area. Judged not a seismic concern.

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P57A0003A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description Storage Air Tank

Other supporting or relevant documents and photos (if any):



File Name: 2-61-2-4-17.jpeg
Description: Component Plate ID



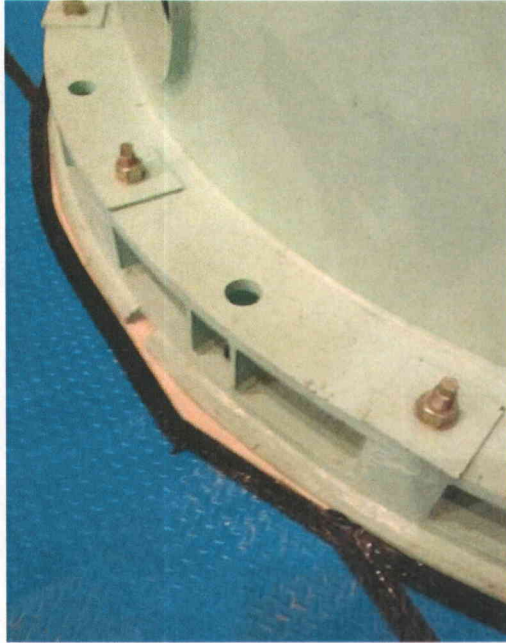
File Name: 2-62-2-4-17.jpeg
Description: General view of Component

Status: N U

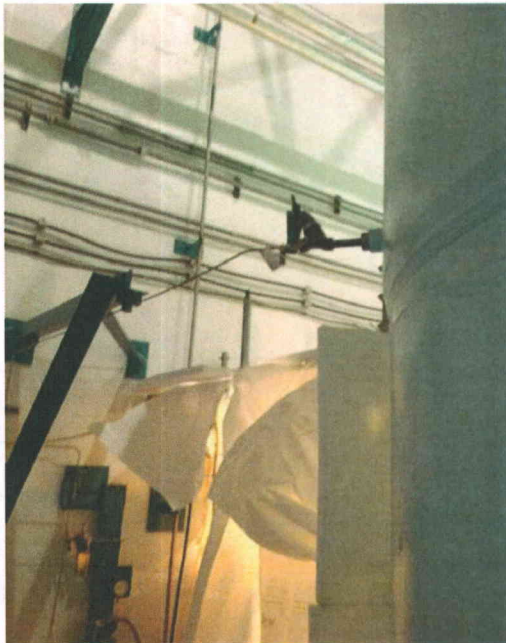
Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P57A0003A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description Storage Air Tank



File Name: 2-63-2-4-17.jpeg
Description: General view of anchorage



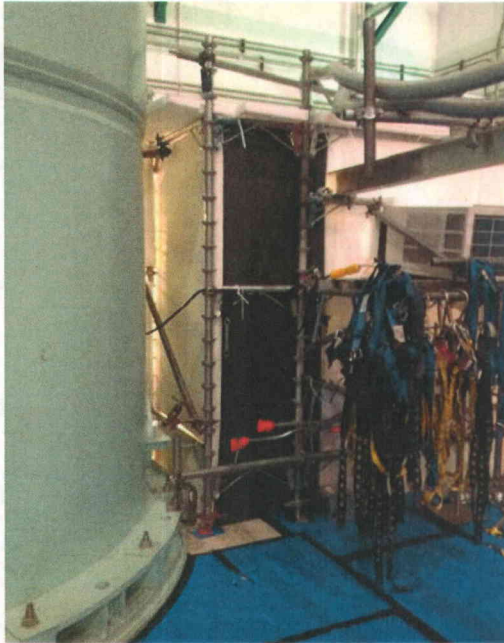
File Name: 2-64-2-4-17.jpeg
Description: View of attached line

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P57A0003A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description Storage Air Tank



File Name: 2-73-2-4-17.jpeg
Description: Scaffolding located in the area

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P57F0015A Equip. Class 8A. Motor-Operated Valves

Equipment Description Motor Valve

Location: Bldg. IB Floor El. 599

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
	X

Heavy Valve mounted on 1 1/2" diam pipe line. Judged not a concern since MOV is supported independently and restrained laterally/vertically. Pipe line is adequately supported before and after valve.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
			X

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
			X

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
			X

5. Is the anchorage configuration consistent with plant documentation?

(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P57F0015A Equip. Class 8A. Motor-Operated Valves

Equipment Description Motor Valve

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: V N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P57F0015A Equip. Class 8A. Motor-Operated Valves

Equipment Description Motor Valve

Other supporting or relevant documents and photos (if any):



File Name: 2-61-2-4-14.jpeg
Description: Component Plate ID



File Name: 2-62-2-4-14.jpeg
Description: General view of Component

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P57F0015A Equip. Class 8A. Motor-Operated Valves

Equipment Description Motor Valve



File Name: 2-63-2-4-14.jpeg
Description: View of attached line



File Name: 2-64-2-4-14.jpeg
Description: View of wall support HSS members

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P57F0015B Equip. Class 8A. Motor-Operated Valves

Equipment Description Motor Valve

Location: Bldg. AX Floor El. 620

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Small MOV well supported at the valve itself.

Y	N
	X

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
			X

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
			X

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
			X

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P57F0015B Equip. Class 8A. Motor-Operated Valves

Equipment Description Motor Valve

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate flexibility.

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

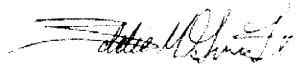
Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P57F0015B Equip. Class 8A. Motor-Operated Valves

Equipment Description Motor Valve

Other supporting or relevant documents and photos (if any):



File Name: 2-61-1-4-15.jpeg
Description: Component Plate ID



File Name: 2-62-1-4-15.jpeg
Description: General view of Component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1P57F0015B Equip. Class 8A. Motor-Operated Valves

Equipment Description Motor Valve



File Name: 2-63-1-4-15.jpeg
Description: View of attached line

Status: Y **Ⓝ** U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R22S0006-E04 Equip. Class 4. Transformers

Equipment Description Transformer EHF-1-C

Location: Bldg. CC Floor El. 620

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
X	

Transformer EHF-1-C inspected during walkdown. Cabinet anchored to concrete pad with 10 anchors, 5 at each side. Coil inside cabinet was inspected and showed adequate bracing.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

Inside of cabinet inspected and no corrosion was identified.

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
X			

Anchorage configuration confirmed by Drawing 058-0596-0000.

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: Y **Ⓝ** U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R22S0006-E04 Equip. Class 4. Transformers

Equipment Description Transformer EHF-1-C

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

A storage locker is potential interaction hazard for switch gear. CR-2012-12222 issued to resolve this interaction concern.

Y	N	U	N/A
	X		

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?

Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
			X

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

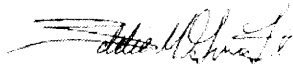
Y	N	U
	X	

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: Y Ⓝ U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R22S0006-E04 Equip. Class 4. Transformers

Equipment Description Transformer EHF-1-C

Other supporting or relevant documents and photos (if any):



File Name: 2-61-1-4-06.jpeg
Description: Component Plate ID



File Name: 2-62-1-4-06.jpeg
Description: General view of component

Status: Y Ⓝ U

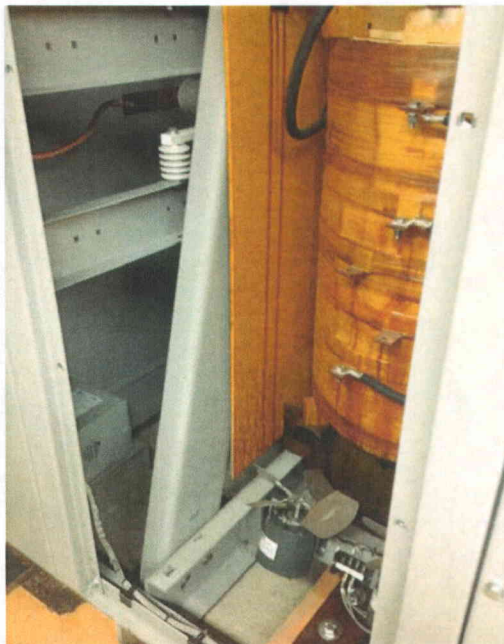
Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R22S0006-E04 Equip. Class 4. Transformers

Equipment Description Transformer EHF-1-C



File Name: 2-63-1-4-06.jpeg
Description: View of transformer coils inside cabinet



File Name: 2-64-1-4-06.jpeg
Description: View of bracing detail inside cabinet

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R22S0007 Equip. Class 3. Medium Voltage Switchgear

Equipment Description Bus EH11

Location: Bldg. CC Floor El. 620

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

18 sections identified with 1 1/4" welds at each corner for each section. 1" diam plug welds (2 of them) at back of each section.

Y	N
X	X

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R22S0007 Equip. Class 3. Medium Voltage Switchgear

Equipment Description Bus EH11

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R22S0007 Equip. Class 3. Medium Voltage Switchgear

Equipment Description Bus EH11

Other supporting or relevant documents and photos (if any):



File Name: 2-61-9-4-06.jpeg
Description: Component Plate ID



File Name: 2-62-9-4-06.jpeg
Description: General view of component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R22S0007 Equip. Class 3. Medium Voltage Switchgear

Equipment Description Bus EH11



File Name: 2-63-9-4-06.jpeg
Description: View of top conduits

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R22S0009 Equip. Class 3. Medium Voltage Switchgear

Equipment Description Bus EH13

Location: Bldg. CC Floor El. 620

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
	X

5 sections identified with 1 1/4" welds at each corner for each section. 1" diam plug welds (2 of them) at back of each section. Design basis drawing was verified to ensure no welds at center of switch gear are required.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R22S0009 Equip. Class 3. Medium Voltage Switchgear

Equipment Description Bus EH13

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

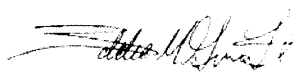
Y	N	U
X		

Other Adverse Conditions


11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R22S0009 Equip. Class 3. Medium Voltage Switchgear

Equipment Description Bus EH13

Other supporting or relevant documents and photos (if any):



File Name: 2-61-4-4-06.jpeg
Description: Component Plate ID



File Name: 2-62-4-4-06.jpeg
Description: General view of component

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R22S0009 Equip. Class 3. Medium Voltage Switchgear

Equipment Description Bus EH13



File Name: 2-63-4-4-06.jpeg
Description: View of attached lines



File Name: 2-64-4-4-06.jpeg
Description: Base detail inside component

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R23S0012 Equip. Class 2. Low Voltage Switchgear

Equipment Description 480 V Bus EF-1-D (1R23-S0012)

Location: Bldg. CC Floor El. 620

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
X	X

Cabinet composed of 3 sections. Each section is welded with 1 1/2" weld at each corner to base.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

Exterior of cabinet was found in good condition.

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?

(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R23S0012 Equip. Class 2. Low Voltage Switchgear

Equipment Description 480 V Bus EF-1-D (1R23-S0012)

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

Verified that top trolley is parked at center of rail with the hook restrained per IPEEE resolution.

9. Do attached lines have adequate flexibility to avoid damage?

Y	N	U	N/A
X			

Attached piping is rigidly supported and attached conduits were found with adequate

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

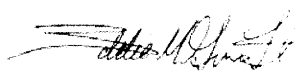
Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: Ⓢ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R23S0012 Equip. Class 2. Low Voltage Switchgear

Equipment Description 480 V Bus EF-1-D (1R23-S0012)

Other supporting or relevant documents and photos (if any):



File Name: 2-61-2-4-06.jpeg
Description: Component Plate ID



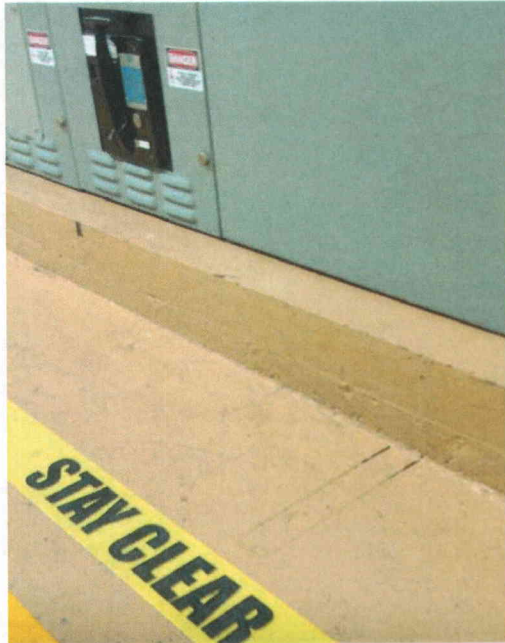
File Name: 2-62-2-4-06.jpeg
Description: General view of component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R23S0012 Equip. Class 2. Low Voltage Switchgear

Equipment Description 480 V Bus EF-1-D (1R23-S0012)



File Name: 2-63-2-4-06.jpeg
Description: View of MCC concrete pad



File Name: 2-64-2-4-06.jpeg
Description: View of attached top lines

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R24S0028 Equip. Class 1. Motor Control Centers

Equipment Description 480 V MCC EF1D08 (1R24S0028)

Location: Bldg. CC Floor El. 620

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
X	

Cabinet composed of 5 sections. Parts of the cabinet were found to be welded directly to embedded steel member while other parts had shims welded to cabinet but no connection was identified between shims and embedment. This configuration was addressed adequately in calculation SQ-0178 for ECP 02-0184 rev 0. No further action was required.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

Inside of cabinet inspected and no corrosion identified.

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

Concrete pad found in adequate condition.

5. Is the anchorage configuration consistent with plant documentation?

Y	N	U	N/A
X			

(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Document "Class 1E MCC Seismic Qualification" confirms the anchorage configuration.

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R24S0028 Equip. Class I. Motor Control Centers

Equipment Description 480 V MCC EF1D08 (1R24S0028)

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

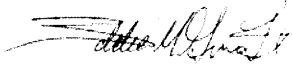
Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R24S0028 Equip. Class 1. Motor Control Centers

Equipment Description 480 V MCC EF1D08 (1R24S0028)

Other supporting or relevant documents and photos (if any):



File Name: 2-61-3-4-06.jpeg
Description: Component Plate ID



File Name: 2-62-3-4-06.jpeg
Description: General view of component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R24S0028 Equip. Class 1. Motor Control Centers

Equipment Description 480 V MCC EF1D08 (1R24S0028)



File Name: 2-63-3-4-06.jpeg
Description: View of center weld detail at base



File Name: 2-64-3-4-06.jpeg
Description: Base connection detail of component

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R24S0032 Equip. Class 1. Motor Control Centers

Equipment Description 480 V MCC EF1C12

Location: Bldg. EW Floor El. 586

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

4 section MCC mounted on 5" thick concrete pad, welded with 3" stitch welds spaced at around 6" oc to base.

Y	N
X	

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?

(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Document "Class 1E MCC Seismic Qualification" confirms the anchorage configuration.

Y	N	U	N/A
X			

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R24S0032 Equip. Class 1. Motor Control Centers

Equipment Description 480 V MCC EF1C12

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?
No loose equipment locate in area.

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?
Hanging lights found on top of MCC. Fluorescent lights found to be twist-on type fixture but judged not a concern since they are out of the zone of influence.

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R24S0032 Equip. Class 1. Motor Control Centers

Equipment Description 480 V MCC EF1C12

Other supporting or relevant documents and photos (if any):



File Name: 2-61-1-4-05.jpeg
Description: Component Plate ID



File Name: 2-62-1-4-05.jpeg
Description: General view of component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R24S0032 Equip. Class 1. Motor Control Centers

Equipment Description 480 V MCC EF1C12



File Name: 2-64-1-4-05.jpeg
Description: Close up view of component concrete pad

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R25S0014 Equip. Class 14. Distribution Panels

Equipment Description Instrument Panel EB-1-A1

Location: Bldg. CC Floor El. 620

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
	X

Inside E71B07 MCC composed of 19 sections. Completely mounted on 3/8" shim plates that are plug welded to perimeter concrete pad angles. Only last section is directly welded at back of cabinet. This configuration was addressed adequately in calculation SQ-0178 for ECP 02-0184 rev 0. No further action was required.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
			X

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
			X

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
			X

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R25S0014 Equip. Class 14. Distribution Panels

Equipment Description Instrument Panel EB-1-A1

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?
Hanging lights in the area noticed to be twist-type tubes. Judged not a concern for interaction since they are located around 4ft away of MCC.

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

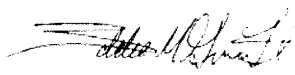
Y	N	U
X		

Other Adverse Conditions

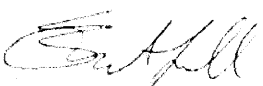
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R25S0014 Equip. Class 14. Distribution Panels

Equipment Description Instrument Panel EB-1-A1

Other supporting or relevant documents and photos (if any):



File Name: 2-61-12-4-06.jpeg
Description: Component Plate ID



File Name: 2-62-12-4-06.jpeg
Description: General view of component

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R25S0014 Equip. Class 14. Distribution Panels

Equipment Description Instrument Panel EB-1-A1



File Name: 2-63-12-4-06.jpeg
Description: View of base anchorage detail



File Name: 2-64-12-4-06.jpeg
Description: View of top attached lines

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R25S0016 Equip. Class 14. Distribution Panels

Equipment Description Distribution Panel EK-1-A1

Location: Bldg. CC Floor El. 620

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
	X

1 Section in a 19-section MCC (1R24-S018). 7 sections of this line up are on 3/8" shims. This configuration was addressed adequately in calculation SQ-0178 for ECP 02-0184 rev 0. No further action was required.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R25S0016 Equip. Class 14. Distribution Panels

Equipment Description Distribution Panel EK-1-A1

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

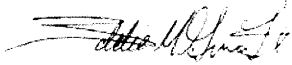
Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R25S0016 Equip. Class 14. Distribution Panels

Equipment Description Distribution Panel EK-1-A1

Other supporting or relevant documents and photos (if any):



File Name: 2-61-8-4-06.jpeg
Description: Component Plate ID



File Name: 2-62-8-4-06.jpeg
Description: General view of component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R25S0016 Equip. Class 14. Distribution Panels

Equipment Description Distribution Panel EK-1-A1



File Name: 2-63-8-4-06.jpeg
Description: Inside view of component



File Name: 2-64-8-4-06.jpeg
Description: Base connection detail of component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R25S0018 Equip. Class 14. Distribution Panels

Equipment Description Instrument Panel EB-1-B1

Location: Bldg. CC Floor El. 620

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
X	X

19 sections MCC. Each section welded to perimeter concrete pad angles with at least 3 - 2 1/2" fillet weld of 1/4" throat. First section is only on 3/8" shims that are plug welded to perimeter angle. This configuration was addressed adequately in calculation SQ-0178 for ECP 02-0184 rev 0. No further action was required. Component located inside MCC EF1D07.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R25S0018 Equip. Class 14. Distribution Panels

Equipment Description Instrument Panel EB-1-B1

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R25S0018 Equip. Class 14. Distribution Panels

Equipment Description Instrument Panel EB-1-B1

Other supporting or relevant documents and photos (if any):



File Name: 2-61-5-4-22.jpeg
Description: Component Plate ID



File Name: 2-62-5-4-22.jpeg
Description: General view of component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R25S0018 Equip. Class 14. Distribution Panels

Equipment Description Instrument Panel EB-1-B1



File Name: 2-63-5-4-22.jpeg
Description: View of base anchorage detail



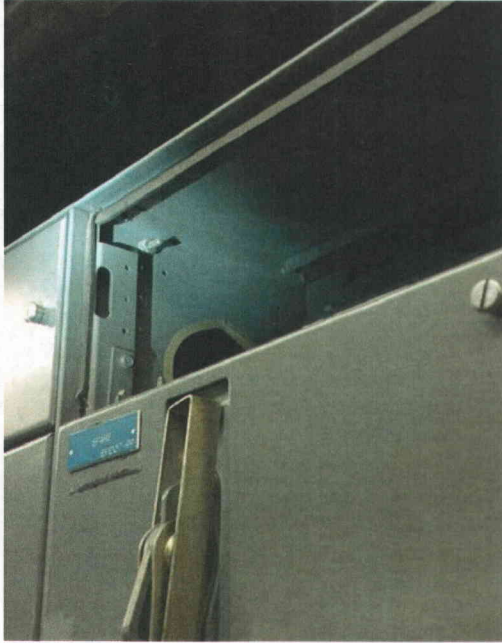
File Name: 2-64-5-4-22.jpeg
Description: View of top attached lines

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R25S0018 Equip. Class 14. Distribution Panels

Equipment Description Instrument Panel EB-1-B1



File Name: 2-73-5-4-22.jpeg
Description: View of side panel connection

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R25S0020 Equip. Class 14. Distribution Panels

Equipment Description Distribution Panel EK-1-B1

Location: Bldg. CC Floor El. 620

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
	X

In-line with 14 section MCC EF1C07. 14 section MCC with combination of direct weld to perimeter concrete pad angles and plug-welded 3/8" shims configuration is used for anchorage. This configuration was addressed adequately in calculation SQ-0178 for ECP 02-0184 rev 0. No further action was required.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R25S0020 Equip. Class 14. Distribution Panels

Equipment Description Distribution Panel EK-1-B1

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

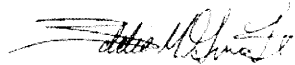
Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R25S0020 Equip. Class 14. Distribution Panels

Equipment Description Distribution Panel EK-1-B1

Other supporting or relevant documents and photos (if any):



File Name: 2-61-6-4-22.jpeg
Description: Component Plate ID



File Name: 2-62-6-4-22.jpeg
Description: General view of component

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R25S0020 Equip. Class 14. Distribution Panels

Equipment Description Distribution Panel EK-1-B1



File Name: 2-63-6-4-22.jpeg
Description: View of base anchorage detail



File Name: 2-64-6-4-22.jpeg
Description: View of top attached lines

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R25S0022 Equip. Class 14. Distribution Panels

Equipment Description Distribution Panel EK-1-C1

Location: Bldg. CC Floor El. 620

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
	X

In-line with 8 section MCC 1R24S0029. 8 section MCC with combination of direct weld to perimeter concrete pad angles and plug-welded 3/8" shims configuration is used for anchorage. This configuration was addressed adequately in calculation SQ-0178 for ECP 02-0184 rev 0. No further action was required.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
			X

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
			X

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
			X

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R25S0022 Equip. Class 14. Distribution Panels

Equipment Description Distribution Panel EK-1-C1

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

Hanging lights near the component identified with spring-type fixtures. Judged not an interaction concern.

9. Do attached lines have adequate flexibility to avoid damage?

Y	N	U	N/A
X			

Attached piping is rigidly supported and attached conduits were found with adequate

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?


Y	N	U
X		

Other Adverse Conditions

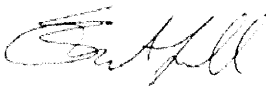
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R25S0022 Equip. Class 14. Distribution Panels

Equipment Description Distribution Panel EK-1-C1

Other supporting or relevant documents and photos (if any):



File Name: 2-61-7-4-22.jpeg
Description: Component Plate ID



File Name: 2-62-7-4-22.jpeg
Description: General view of component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R25S0022 Equip. Class 14. Distribution Panels

Equipment Description Distribution Panel EK-1-C1



File Name: 2-63-7-4-22.jpeg
Description: View of base anchorage detail



File Name: 2-64-7-4-22.jpeg
Description: View of top attached lines

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R25S0025 Equip. Class 4. Transformers

Equipment Description 480V to 120V XFMR EFB-1-A1

Location: Bldg. CC Floor El. 620

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
	X

Mounted on C5 channels. Bolted with 6 - 1/2" diam machine bolts to channel flange. C5 to perimeter concrete pad angles with wrap around welds at ends of C5 base (~7 1/2" of 1/4" welds).

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R25S0025 Equip. Class 4. Transformers

Equipment Description 480V to 120V XFMR EFB-1-A1

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

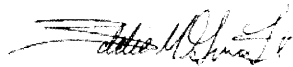
Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: V N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R25S0025 Equip. Class 4. Transformers

Equipment Description 480V to 120V XFMR EFB-1-A1

Other supporting or relevant documents and photos (if any):



File Name: 2-61-13-4-06.jpeg
Description: Component Plate ID



File Name: 2-62-13-4-06.jpeg
Description: General view of component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R25S0025 Equip. Class 4. Transformers

Equipment Description 480V to 120V XFMR EFB-1-A1



File Name: 2-63-13-4-06.jpeg
Description: View of base anchorage detail



File Name: 2-64-13-4-06.jpeg
Description: View of base anchorage detail

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R25S0025 Equip. Class 4. Transformers

Equipment Description 480V to 120V XFMR EFB-1-A1



File Name: 2-73-13-4-06.jpeg
Description: View of top attached lines

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R25S0033 Equip. Class 4. Transformers

Equipment Description 480V to 120V XFMR EFB-1-A2

Location: Bldg. CC Floor El. 620

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
X	

Mounted on C5 channels. Bolted with 6 - 1/2" diam machine bolts to channel flange. C5 to perimeter concrete pad angles with wrap around welds at ends of C5 base (~7 1/2" of 1/4" welds).

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
X			

Welding configuration confirmed per Document 1-6-7, page 186-187.

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R25S0033 Equip. Class 4. Transformers

Equipment Description 480V to 120V XFMR EFB-1-A2

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?
Hanging lights in the area judged not a concern due to end tube spring type connections.

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

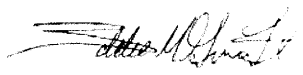
Y	N	U
X		

Other Adverse Conditions

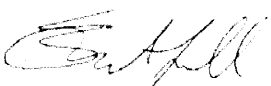
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?
Corner is welded to shims. Shims are welded to base.

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

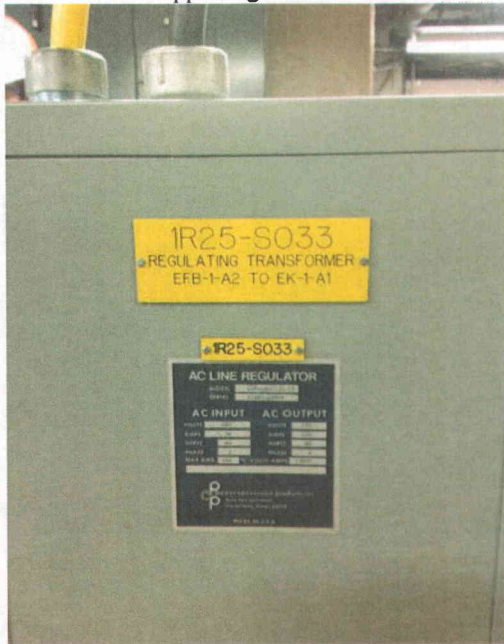
Status: Ⓢ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R25S0033 Equip. Class 4. Transformers

Equipment Description 480V to 120V XFMR EFB-1-A2

Other supporting or relevant documents and photos (if any):



File Name: 2-61-10-1-06.jpeg
Description: Component Plate ID



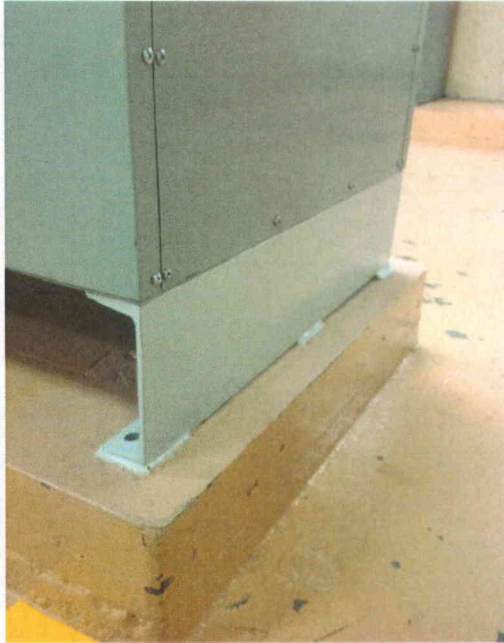
File Name: 2-62-10-1-06.jpeg
Description: General view of component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R25S0033 Equip. Class 4. Transformers

Equipment Description 480V to 120V XFMR EFB-1-A2



File Name: 2-63-10-1-06.jpeg
Description: View of base anchorage detail



File Name: 2-64-10-1-06.jpeg
Description: View of base anchorage detail

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R25S0033 Equip. Class 4. Transformers

Equipment Description 480V to 120V XFMR EFB-1-A2



File Name: 2-73-10-1-06.jpeg
Description: View of mounting base configuration

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R42S0002 Equip. Class 15. Battery Racks

Equipment Description Unit 1 Div 1 Battery

Location: Bldg. CC Floor El. 638

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
X	X

Two single racks. Each rack has two rows and has three bays. The racks are fully braced. Each bay is welded to embeds with ~16" of 1/4" fillet welds. Battery cells divided by 1 inch foam pad.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R42S0002 Equip. Class 15. Battery Racks

Equipment Description Unit 1 Div 1 Battery

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?
Fluorescent tube fixtures found with protective covering.

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

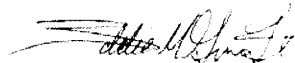
Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

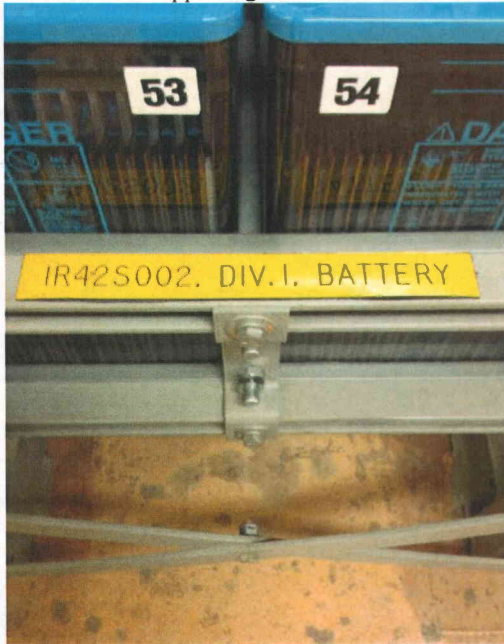
Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R42S0002 Equip. Class 15. Battery Racks

Equipment Description Unit 1 Div 1 Battery

Other supporting or relevant documents and photos (if any):



File Name: 2-61-4-4-02.jpeg
Description: Component Plate ID



File Name: 2-62-4-4-02.jpeg
Description: General view of Component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R42S0002 Equip. Class 15. Battery Racks

Equipment Description Unit 1 Div 1 Battery



File Name: 2-63-4-4-02.jpeg
Description: View of component base detail



File Name: 2-64-4-4-02.jpeg
Description: View of rack base detail

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R42S0002 Equip. Class 15. Battery Racks

Equipment Description Unit 1 Div 1 Battery



File Name: 2-73-4-4-02.jpeg
Description: View of attached line



File Name: 2-94-4-4-02.jpeg
Description: View of battery cells separation

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R42S0008 Equip. Class 16. Battery Chargers and Inverters

Equipment Description EFD-1-B Battery Charger

Location: Bldg. CC Floor El. 638

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
X	X

Charger mounted on channel base welded with 3 - 4" stitch welds at 12" oc to embedment. Concrete pad around 5" thick. Charger is attached to flanges of base channels with 3-1/2" diam. bolts on each side.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R42S0008 Equip. Class 16. Battery Chargers and Inverters

Equipment Description EFD-1-B Battery Charger

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

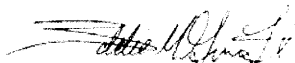
Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R42S0008 Equip. Class 16. Battery Chargers and Inverters

Equipment Description EFD-1-B Battery Charger

Other supporting or relevant documents and photos (if any):



File Name: 2-61-2-4-02.jpeg
Description: Component Plate ID



File Name: 2-62-2-4-02.jpeg
Description: General view of component

Status: Ⓢ N U

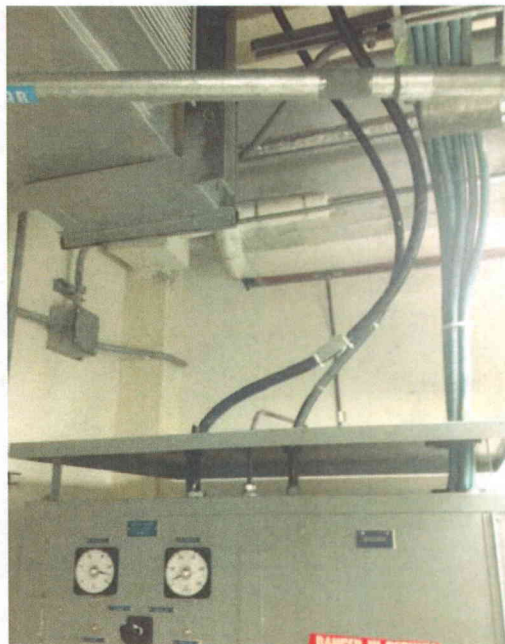
Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R42S0008 Equip. Class 16. Battery Chargers and Inverters

Equipment Description EFD-1-B Battery Charger



File Name: 2-63-2-4-02.jpeg
Description: View of component base



File Name: 2-64-2-4-02.jpeg
Description: View of attached top lines

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R42S0012 Equip. Class 14. Distribution Panels

Equipment Description Distribution panel ED1A06

Location: Bldg. CC Floor El. 638

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
	X

Distribution panel ED1A06. 8ft tall panel on inverted channels at base. C4 welded to perimeter concrete. Pad angles at 4 corners with ~4" of 5/16" weld. Panel attached to web of channels with 4 - 1/2" diam machine bolts.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R42S0012 Equip. Class 14. Distribution Panels

Equipment Description Distribution panel ED1A06

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R42S0012 Equip. Class 14. Distribution Panels

Equipment Description Distribution panel ED1A06

Other supporting or relevant documents and photos (if any):



File Name: 2-61-8-4-22.jpeg
Description: Component Plate ID



File Name: 2-62-8-4-22.jpeg
Description: General view of component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R42S0012 Equip. Class 14. Distribution Panels

Equipment Description Distribution panel ED1A06



File Name: 2-63-8-4-22.jpeg
Description: View of anchor bolts at base



File Name: 2-64-8-4-22.jpeg
Description: View of base anchorage detail

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R42S0012 Equip. Class 14. Distribution Panels

Equipment Description Distribution panel ED1A06



File Name: 2-73-8-4-22.jpeg
Description: View of top attached lines

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R42S0013 Equip. Class 14. Distribution Panels

Equipment Description ED 1B06 Distribution Panel

Location: Bldg. CC Floor El. 638

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
X	X

Distribution panel ED1B06. 8ft tall panel on inverted channels at base. C4 welded to perimeter concrete. Pad angles at 4 corners with ~4" of 5/16" weld. Panel attached to web of channels with 4 - 1/2" diam machine bolts.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R42S0013 Equip. Class 14. Distribution Panels

Equipment Description ED 1B06 Distribution Panel

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R42S0013 Equip. Class 14. Distribution Panels

Equipment Description ED 1B06 Distribution Panel

Other supporting or relevant documents and photos (if any):



File Name: 2-61-9-4-22.jpeg
Description: Component Plate ID



File Name: 2-62-9-4-22.jpeg
Description: General view of component

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R42S0013 Equip. Class 14. Distribution Panels

Equipment Description ED 1B06 Distribution Panel



File Name: 2-63-9-4-22.jpeg
Description: View of anchor bolts at base



File Name: 2-64-9-4-22.jpeg
Description: View of base anchorage detail

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R42S0013 Equip. Class 14. Distribution Panels

Equipment Description ED 1B06 Distribution Panel



File Name: 2-73-9-4-22.jpeg
Description: View of top attached lines

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R42S0014 Equip. Class 14. Distribution Panels

Equipment Description ED1B08 Distribution Panel

Location: Bldg. CC Floor El. 638

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
	X

Distribution panel ED1A08. 8ft tall panel on inverted channels at base. C4 welded to perimeter concrete. Pad angles at 4 corners with ~4" of 5/16" weld. Panel attached to web of channels with 4 - 1/2" diam machine bolts.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R42S0014 Equip. Class 14. Distribution Panels

Equipment Description ED1B08 Distribution Panel

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

Y	N	U
X		

Other Adverse Conditions


11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R42S0014 Equip. Class 14. Distribution Panels

Equipment Description ED1B08 Distribution Panel

Other supporting or relevant documents and photos (if any):



File Name: 2-61-10-4-22.jpeg
Description: Component Plate ID



File Name: 2-62-10-4-22.jpeg
Description: General view of component

Status: N U

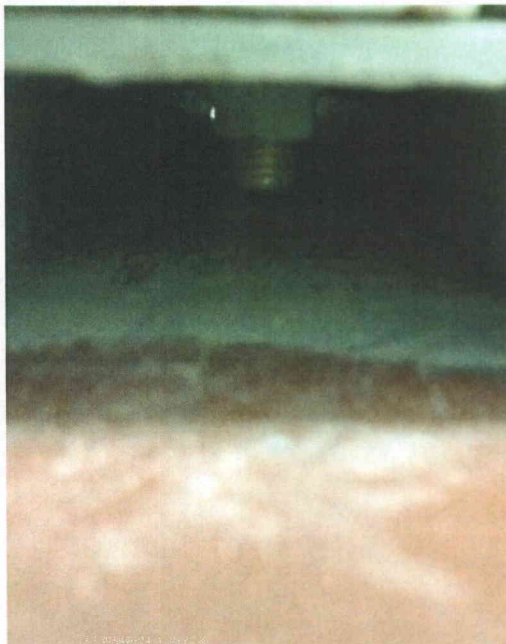
Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R42S0014 Equip. Class 14. Distribution Panels

Equipment Description ED1B08 Distribution Panel



File Name: 2-63-10-4-22.jpeg
Description: View of base anchorage detail



File Name: 2-64-10-4-22.jpeg
Description: View of anchor bolts at base

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R42S0014 Equip. Class 14. Distribution Panels

Equipment Description ED1B08 Distribution Panel



File Name: 2-73-10-4-22.jpeg
Description: View of top attached lines

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R42S0024 Equip. Class 2. Low Voltage Switchgear

Equipment Description ED-1-A 125 V DC Bus

Location: Bldg. CC Floor El. 638

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
X	

This is a three section switchgear. It is welded to embeds with an average of at least 6" long, 3/16" welds (F&B). Adjacent panels are bolted together.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

Welds to base found in adequate condition.

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

Base found in adequate condition

5. Is the anchorage configuration consistent with plant documentation?

Y	N	U	N/A
X			

(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Welding configuration confirmed per Document 1-6-7, page 92-96.

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R42S0024 Equip. Class 2. Low Voltage Switchgear

Equipment Description ED-1-A 125 V DC Bus

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

Y	N	U
X		

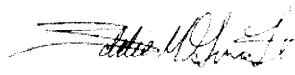
Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Overhead attached trolley restrained per IPEEE resolution which is to park the trolley at center of rail (signage added) and restrain the hook from banging,

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R42S0024 Equip. Class 2. Low Voltage Switchgear

Equipment Description ED-1-A 125 V DC Bus

Other supporting or relevant documents and photos (if any):



File Name: 2-61-3-4-02.jpeg
Description: Component Plate ID



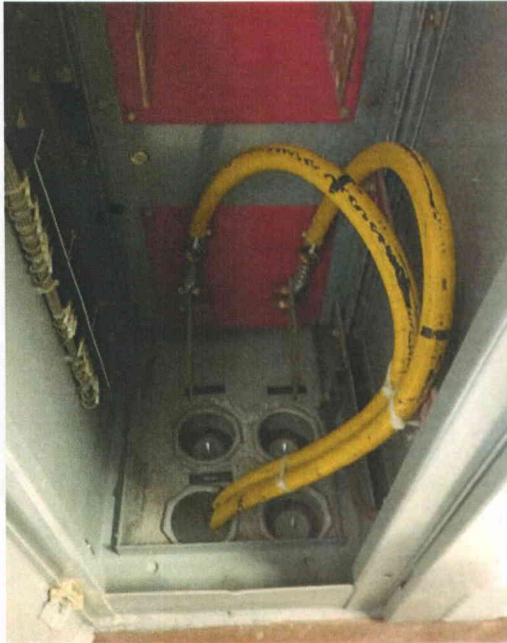
File Name: 2-62-3-4-02.jpeg
Description: General view of component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R42S0024 Equip. Class 2. Low Voltage Switchgear

Equipment Description ED-1-A 125 V DC Bus



File Name: 2-63-3-4-02.jpeg
Description: Inside view of component

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R42S0037 Equip. Class 2. Low Voltage Switchgear

Equipment Description ED-1-C 125 V DC Bus

Location: Bldg. DG Floor El. 620

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Panel on 4" concrete pad anchored with 48 - 3/8" diam anchor bolts.

Y	N
	X

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R42S0037 Equip. Class 2. Low Voltage Switchgear

Equipment Description ED-1-C 125 V DC Bus

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

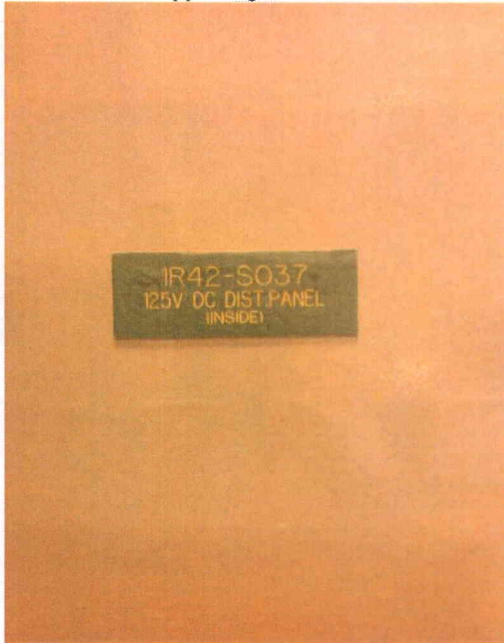
Status: Y N U

Seismic Walkdown Checklist (SWC)

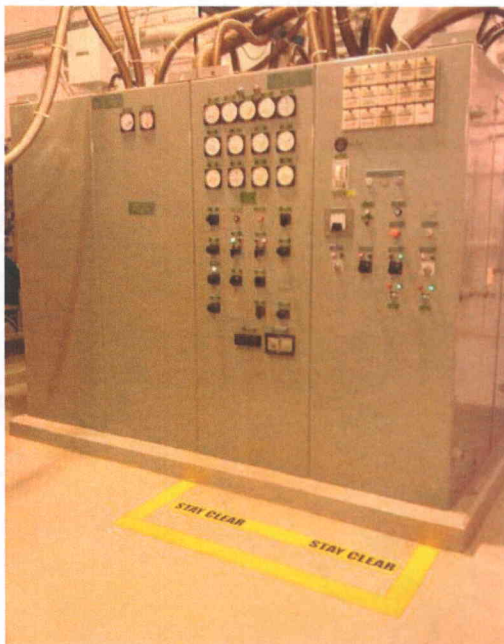
Equipment ID No. 1R42S0037 Equip. Class 2. Low Voltage Switchgear

Equipment Description ED-1-C 125 V DC Bus

Other supporting or relevant documents and photos (if any):



File Name: 2-61-10-4-08.jpeg
Description: Component Plate ID



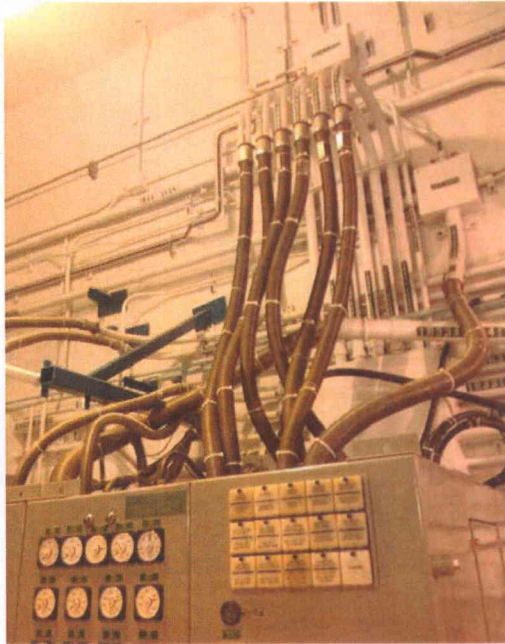
File Name: 2-62-10-4-08.jpeg
Description: General view of Component

Status: N U

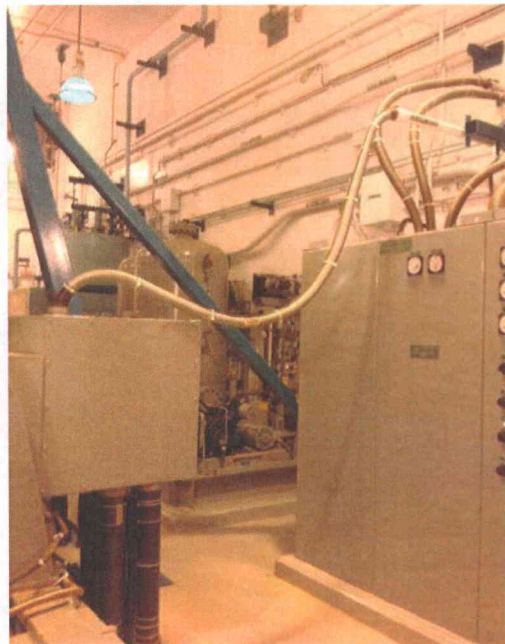
Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R42S0037 Equip. Class 2. Low Voltage Switchgear

Equipment Description ED-1-C 125 V DC Bus



File Name: 2-63-10-4-08.jpeg
Description: View of top attached lines



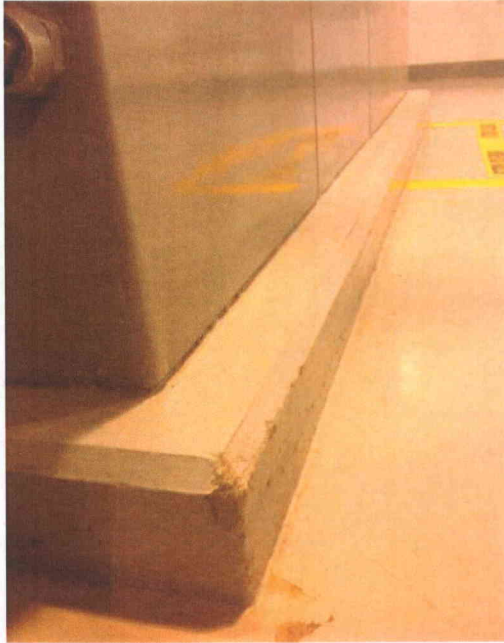
File Name: 2-64-10-4-08.jpeg
Description: View of attached lines

Status: Ⓢ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R42S0037 Equip. Class 2. Low Voltage Switchgear

Equipment Description ED-1-C 125 V DC Bus



File Name: 2-73-10-4-08.jpeg
Description: General view of concrete base



File Name: 2-94-10-4-08.jpeg
Description: View of anchorage from inside of cabinet

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R42S0037 Equip. Class 2. Low Voltage Switchgear

Equipment Description ED-1-C 125 V DC Bus



File Name: 2-95-10-4-08.jpeg
Description: Typical detail for anchorage configuration



File Name: 2-96-10-4-08.jpeg
Description: View of anchorage detail from inside of cabinet

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R42S0038 Equip. Class 1. Motor Control Centers

Equipment Description DIV 2, MCC ED1B09

Location: Bldg. CC Floor El. 638

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
	X

This is a two section MCC on heavy steel base members. The base members are anchored with 6-1" diam. anchors. The MCC base channel is welded to base members with an average of at least 5" of weld (F&B) per section.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R42S0038 Equip. Class 1. Motor Control Centers

Equipment Description DIV 2, MCC ED1B09

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

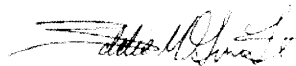
Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

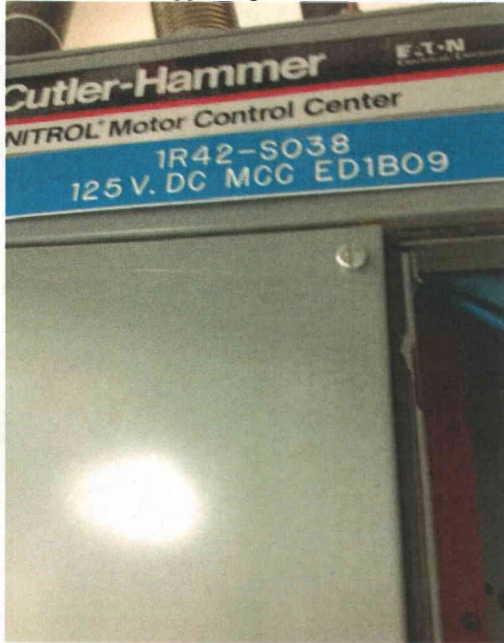
Status: N U

Seismic Walkdown Checklist (SWC)

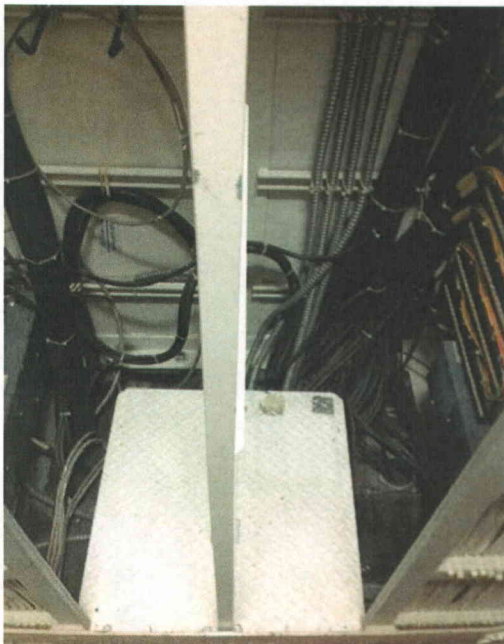
Equipment ID No. 1R42S0038 Equip. Class 1. Motor Control Centers

Equipment Description DIV 2, MCC ED1B09

Other supporting or relevant documents and photos (if any):



File Name: 2-64-1-4-02.jpeg
Description: Component ID Plate



File Name: 2-62-1-4-02.jpeg
Description: Inside view of component

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R43S0001B Equip. Class 17. Engine Generators

Equipment Description Division 2 Emergency Diesel Generator

Location: Bldg. DG Floor El. 620

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
X	

Anchored with 22 - 2" diam anchors along long side of DG. Motor and generator on the same pedestal.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

Several hairline cracks identified near anchor bolts and judged acceptable.

5. Is the anchorage configuration consistent with plant documentation?

Y	N	U	N/A
X			

(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Anchorage configuration confirmed by Drawing 417-0066, Foundation Plan "A".

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R43S0001B Equip. Class 17. Engine Generators

Equipment Description Division 2 Emergency Diesel Generator

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

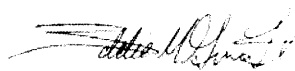
Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

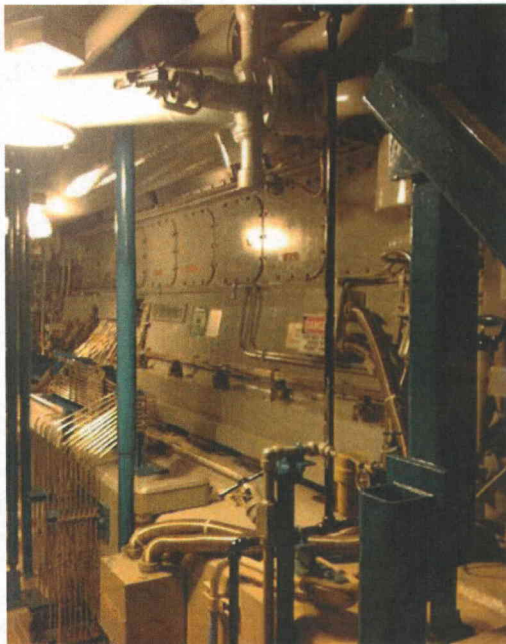
Equipment ID No. 1R43S0001B Equip. Class 17. Engine Generators

Equipment Description Division 2 Emergency Diesel Generator

Other supporting or relevant documents and photos (if any):



File Name: 2-61-17-4-08.jpeg
Description: Component Plate ID



File Name: 2-62-17-4-08.jpeg
Description: General view of Component

Status: Y N U

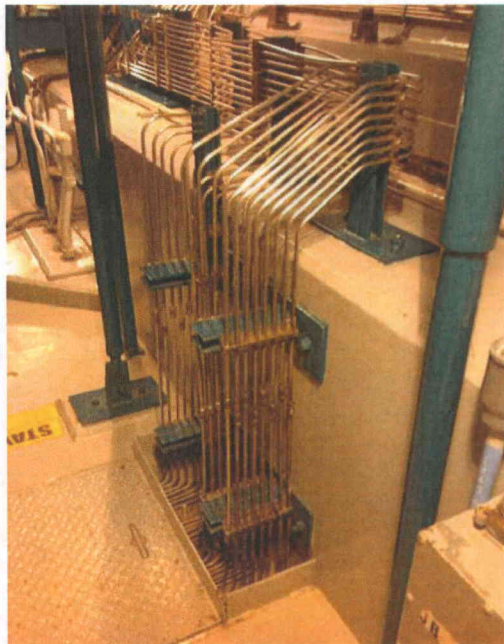
Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R43S0001B Equip. Class 17. Engine Generators

Equipment Description Division 2 Emergency Diesel Generator



File Name: 2-63-17-4-08.jpeg
Description: View of component base detail



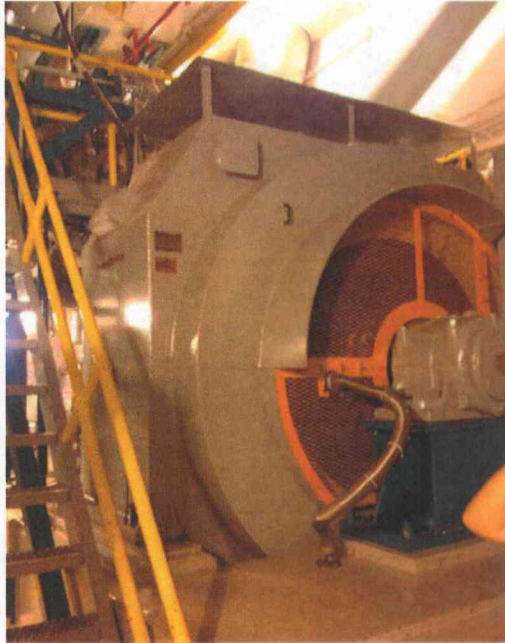
File Name: 2-64-17-4-08.jpeg
Description: View of attached lines

Status: N U

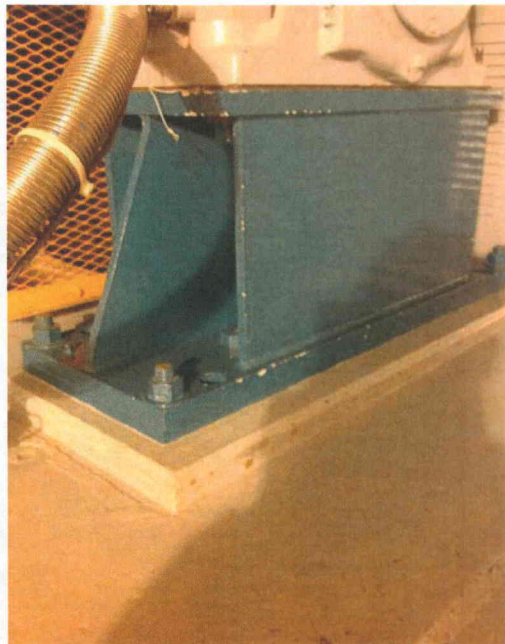
Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R43S0001B Equip. Class 17. Engine Generators

Equipment Description Division 2 Emergency Diesel Generator



File Name: 2-73-17-4-08.jpeg
Description: General view of component



File Name: 2-94-17-4-08.jpeg
Description: View of anchorage detail

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R43S0001B Equip. Class 17. Engine Generators

Equipment Description Division 2 Emergency Diesel Generator



File Name: 2-95-17-4-08.jpeg
Description: View of base mounting configuration

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R45A0003A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description DIV 1 EDG Fuel Oil Day Tank

Location: Bldg. DG Floor El. 620

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
	X

Heavy braced framing system identified. Support system is insulated and its details can not be inspected.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R45A0003A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description DIV 1 EDG Fuel Oil Day Tank

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

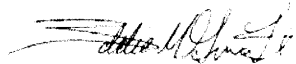
Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

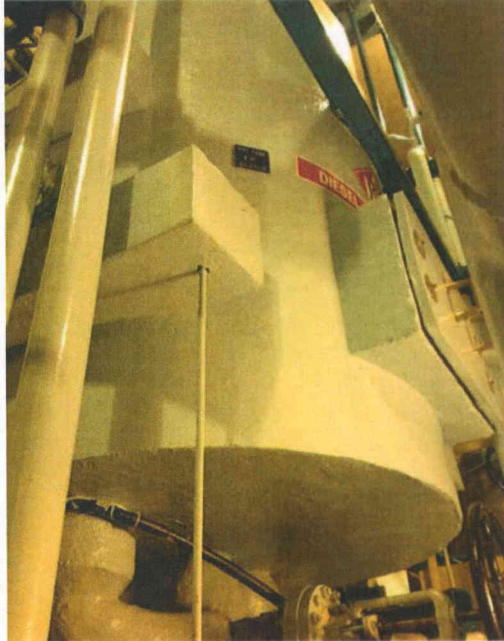
Status: N U

Seismic Walkdown Checklist (SWC)

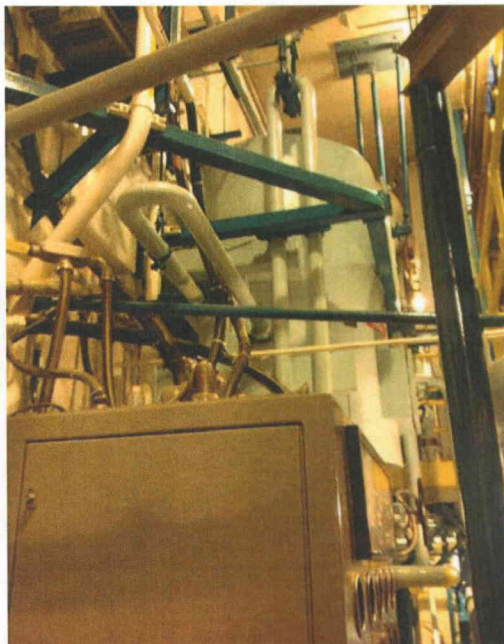
Equipment ID No. 1R45A0003A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description DIV 1 EDG Fuel Oil Day Tank

Other supporting or relevant documents and photos (if any):



File Name: 2-61-5-4-08.jpeg
Description: General view of Component



File Name: 2-62-5-4-08.jpeg
Description: View of Lateral Bracing for Component

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R45C0002B Equip. Class 5. Horizontal Pumps

Equipment Description Fuel Oil Transfer Pump

Location: Bldg. DG Floor El. 620

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
X	

Small pump+motor mounted on 8" concrete pedestal. Skid anchored with 4 - 5/8" diam anchor.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
X			

Anchorage configuration confirmed by Drawing 417-0069, Foundation Plan "M".

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R45C0002B Equip. Class 5. Horizontal Pumps

Equipment Description Fuel Oil Transfer Pump

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R45C0002B Equip. Class 5. Horizontal Pumps

Equipment Description Fuel Oil Transfer Pump

Other supporting or relevant documents and photos (if any):



File Name: 2-61-16-4-08.jpeg
Description: Component Plate ID



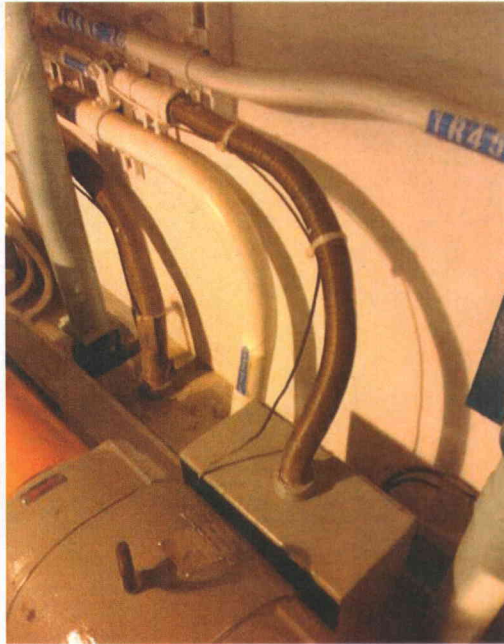
File Name: 2-62-16-4-08.jpeg
Description: General view of Component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R45C0002B Equip. Class 5. Horizontal Pumps

Equipment Description Fuel Oil Transfer Pump



File Name: 2-63-16-4-08.jpeg
Description: View of attached lines

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R45C0003A Equip. Class 5. Horizontal Pumps

Equipment Description DIV 1 FO Booster PMP

Location: Bldg. DG Floor El. 620

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
	X

Very small pump on skid bolted to a much larger skid with 4 - 3/4" diam machine bolts. The larger skid anchorage with 16 - 3/4" diam anchor bolts. Larger skid identified with low aspect ratio.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R45C0003A Equip. Class 5. Horizontal Pumps

Equipment Description DIV 1 FO Booster PMP

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

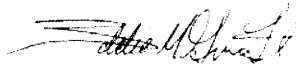
Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

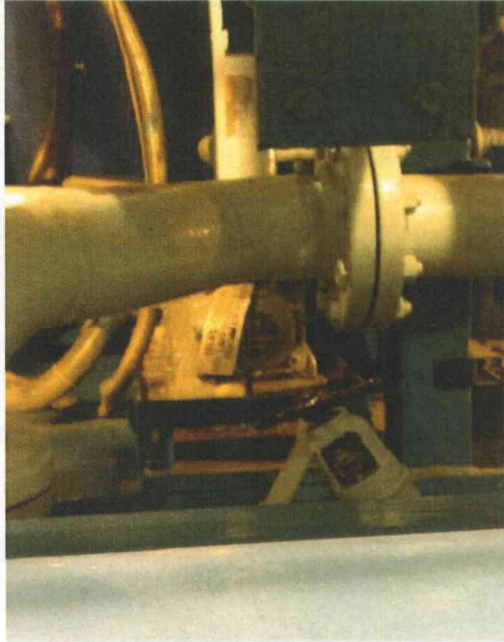
Status: N U

Seismic Walkdown Checklist (SWC)

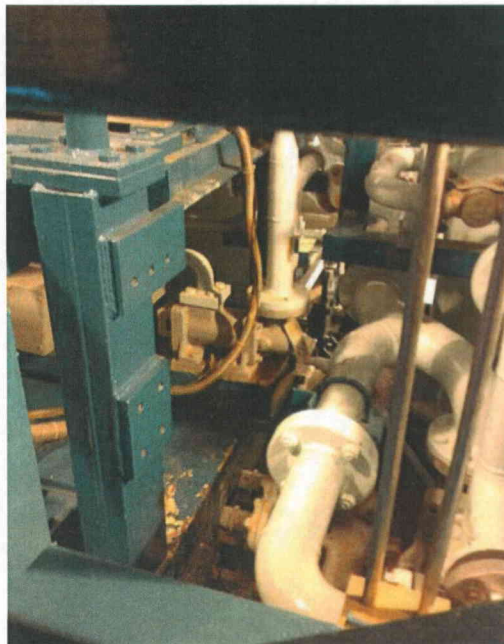
Equipment ID No. 1R45C0003A Equip. Class 5. Horizontal Pumps

Equipment Description DIV 1 FO Booster PMP

Other supporting or relevant documents and photos (if any):



File Name: 2-61-6-4-08.jpeg
Description: Component Plate ID



File Name: 2-62-6-4-08.jpeg
Description: General view of Component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R45N0140A Equip. Class 18. Instrument (on) Racks

Equipment Description Div 1 EDG Day Tank Level Switch

Location: Bldg. DG Floor El. 620

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
X	X

Small switch mounted at top of Day Tank. Pipe lines attached below the tank are in adequate condition.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

No signs of corrosion identified in the area.

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R45N0140A Equip. Class 18. Instrument (on) Racks

Equipment Description Div 1 EDG Day Tank Level Switch

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

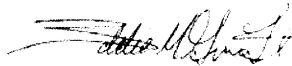
Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

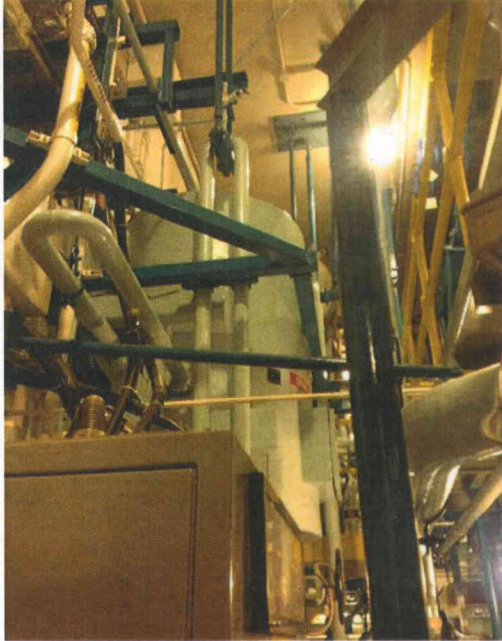
Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R45N0140A Equip. Class 18. Instrument (on) Racks

Equipment Description Div 1 EDG Day Tank Level Switch

Other supporting or relevant documents and photos (if any):



File Name: 2-61-4-4-08.jpeg
Description: General view of Component



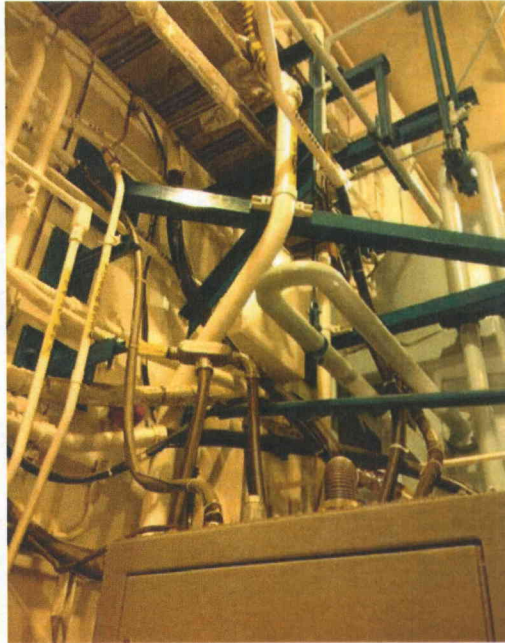
File Name: 2-62-4-4-08.jpeg
Description: View of attached lines below tank

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R45N0140A Equip. Class 18. Instrument (on) Racks

Equipment Description Div 1 EDG Day Tank Level Switch



File Name: 2-63-4-4-08.jpeg
Description: General view of bracing arrangement



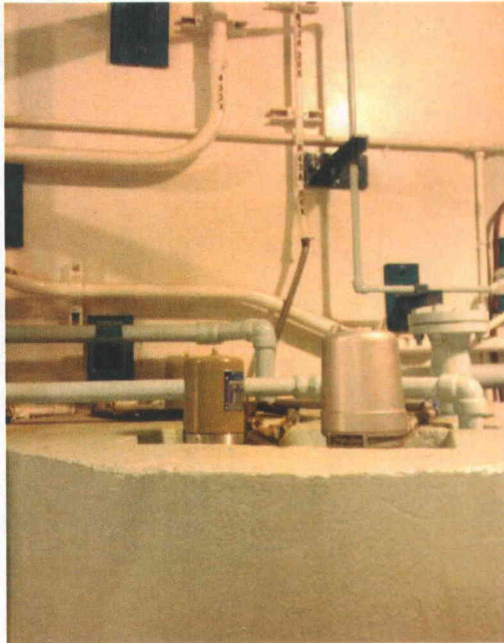
File Name: 2-64-4-4-08.jpeg
Description: Overall view of top of component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R45N0140A Equip. Class 18. Instrument (on) Racks

Equipment Description Div 1 EDG Day Tank Level Switch



File Name: 2-73-4-4-08.jpeg
Description: View of attached lines from top



File Name: 2-94-4-4-08.jpeg
Description: View of wall mounted supports

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R46B0001A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description DIV 1 JW/LO Heat Exchanger

Location: Bldg. DG Floor El. 620

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
X	

Small diameter HX on three saddles. Connected to short saddle supports with 4 - 1" diam bolts. Saddle supported to concrete with 4 - 1" diam anchor bolts.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
X			

Drawing 57_-0009-00000_004 confirms anchorage configuration.

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R46B0001A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description DIV 1 JW/LO Heat Exchanger

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

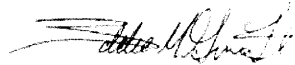
Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

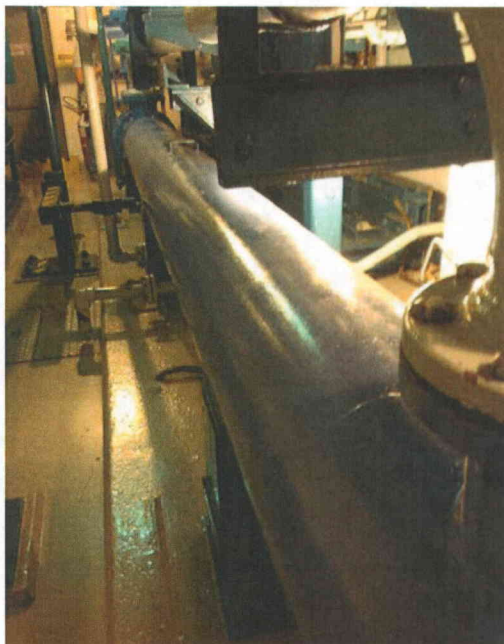
Equipment ID No. 1R46B0001A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description DIV 1 JW/LO Heat Exchanger

Other supporting or relevant documents and photos (if any):



File Name: 2-61-7-4-08.jpeg
Description: Component Plate ID



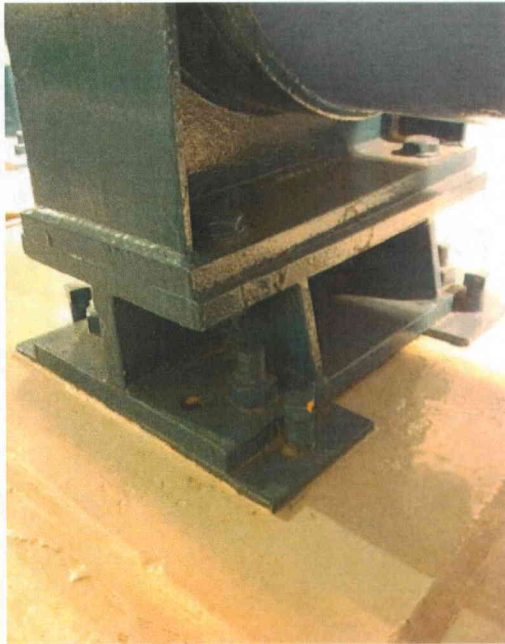
File Name: 2-62-7-4-08.jpeg
Description: General view of Component

Status: Ⓢ N U

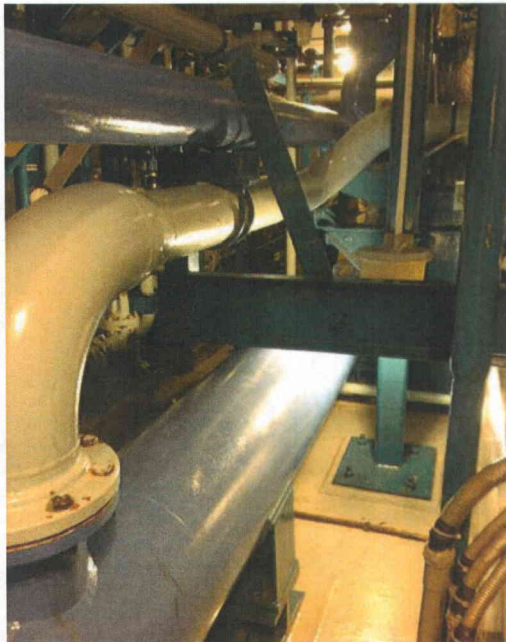
Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R46B0001A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description DIV 1 JW/LO Heat Exchanger



File Name: 2-63-7-4-08.jpeg
Description: General view of anchorage



File Name: 2-64-7-4-08.jpeg
Description: View of top conduit

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R46B0002B Equip. Class 21. Tanks and Heat Exchangers

Equipment Description Heat Exchanger

Location: Bldg. DG Floor El. 620

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
X	

Small diameter HX on three saddles. Connected to short saddle supports with 4 - 1" diam bolts. Saddle supported to concrete with 4 - 1" diam anchor bolts.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
X			

Drawing 57_-0009-00000_004 confirms anchorage configuration.

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R46B0002B Equip. Class 21. Tanks and Heat Exchangers

Equipment Description Heat Exchanger

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

Y	N	U
X		

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

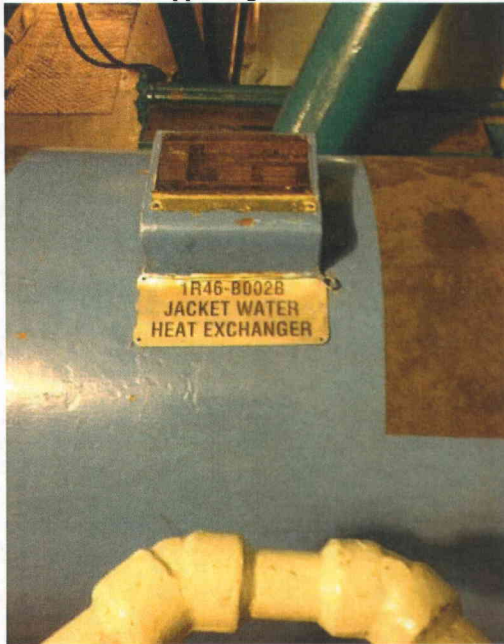
Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R46B0002B Equip. Class 21. Tanks and Heat Exchangers

Equipment Description Heat Exchanger

Other supporting or relevant documents and photos (if any):



File Name: 2-61-9-4-08.jpeg
Description: Component Plate ID



File Name: 2-62-9-4-08.jpeg
Description: General view of Component

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R46B0002B Equip. Class 21. Tanks and Heat Exchangers

Equipment Description Heat Exchanger



File Name: 2-63-9-4-08.jpeg
Description: View of typical anchorage configuration



File Name: 2-64-9-4-08.jpeg
Description: General view of component supports

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1R46B0002B Equip. Class 21. Tanks and Heat Exchangers

Equipment Description Heat Exchanger



File Name: 2-73-9-4-08.jpeg
Description: View of lateral wall-mounted support

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2R42S0037 Equip. Class 2. Low Voltage Switchgear

Equipment Description 125 V Bus ED-2-C

Location: Bldg. CC Floor El. 620

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Small panel (~26x26x6") wall mounted with 4 - 3/8" diam anchor bolts.

Y	N
X	X

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2R42S0037 Equip. Class 2. Low Voltage Switchgear

Equipment Description 125 V Bus ED-2-C

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

Fluorescent lights found to be twist-on type fixture but judged not a concern since they are out of the zone of influence.

9. Do attached lines have adequate flexibility to avoid damage?

Y	N	U	N/A
X			

Attached piping is rigidly supported and attached conduits were found with adequate

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

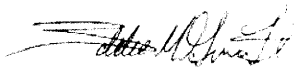
Y	N	U
X		

Other Adverse Conditions

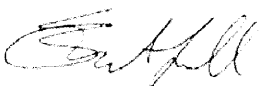
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2R42S0037 Equip. Class 2. Low Voltage Switchgear

Equipment Description 125 V Bus ED-2-C

Other supporting or relevant documents and photos (if any):



File Name: 2-61-1-4-07.jpeg
Description: Component Plate ID



File Name: 2-62-1-4-07.jpeg
Description: General view of Component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2R42S0037 Equip. Class 2. Low Voltage Switchgear

Equipment Description 125 V Bus ED-2-C



File Name: 2-63-1-4-07.jpeg
Description: View of top attached line